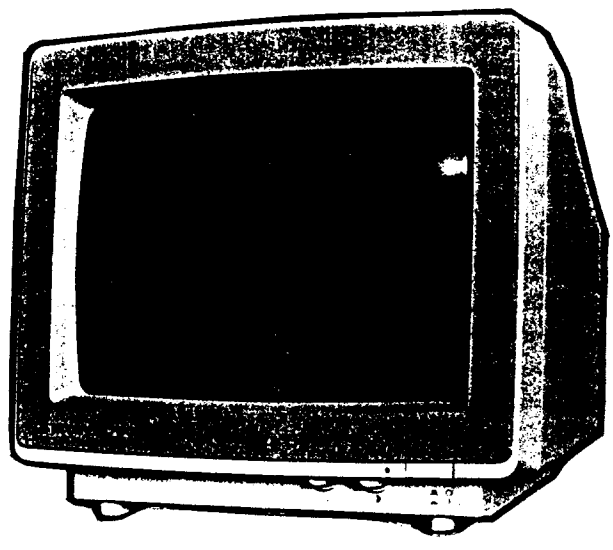
TAXAN

SERVICE MANUAL

For the Taxan Supervision 760

SERVICE INFORMATION

Model SV-760B
SV-760E
SV-760EV



No. 5879
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CONTENTS

1. SPECIFICATION 2
2. SAFETY PRECAUTION 3
3. FUNCTIONS 4
4. BLOCK DIAGRAM 5
5. HOW TO REMOVE FOR SERVICE 6
6. ALIGNMENT LOCATIONS 9
7. ALIGNMENT BY MEANS INSTRUMENTS 10
8. COLOR-ADJUSTING MODES FOR CRT DISPLAY 18
9. REPLACEMENT PARTS LIST INFORMATION 21
10. REPLACEMENT PARTS LIST 21
11. PACKING DIAGRAM 40
12. WIRING DIAGRAM 41
13. SCHEMATIC DIAGRAM 42

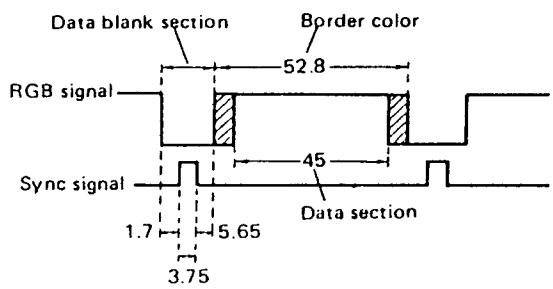
SPECIFICATION

Type	:	14-inch color CRT monitor
Picture Tube	:	14", 90 ° deflection,in-line electron guns Dot trio phosphor(0.31 mm pitch) Short persistence, non-glare/ tint
Type No.	:	M34JPS82X
Screen Size	:	280 mm (H) x 210 mm (V)
Display Size	:	256 mm (H) x 176 mm (V)
Input Signal	:	Mode 1) R,G,B,I and sync.(+HD,+VD) Mode 2) R,G,B,R',G',B' and sync.(+HD,-VD)
Input Level	:	TTL
Input Inpedance	:	Video:330 ohm to the ground.
Connector	:	9-pin D sub
Video Frequency Responce	:	25 MHz (-3dB)
Scanning Frequency	:	Mode 1) H 15.75kHz, V 60 Hz Mode 2) H 21.85kHz, V 60 Hz
Retrace Time	:	Mode 1) H 7.5 µsec, V 630 µsec min Mode 2) H 5.5 µsec, V 630 µsec min
High Voltage	:	22.5 kV ±1.0 kV
Power Supply	:	220 V AC, 50Hz (SV-760E/EV) 240 V AC, 50Hz (SV-760B)
Power Consumption	:	0.63 A (max.)
Dimensions	:	364 (W) x 340 (H) x 396 (D) mm
Weight unit	:	13.1 kg (SV-760E/B) 15.2 kg (SV-760EV)

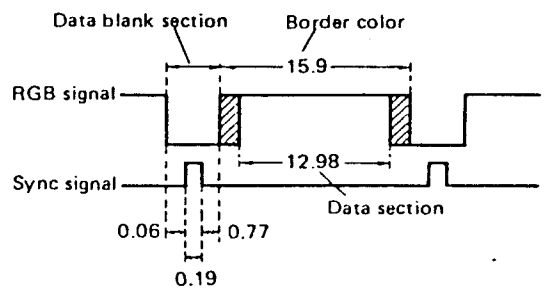
Recommended input signal (signal input connector)

Mode 1

H.SYNC period (µ sec.)

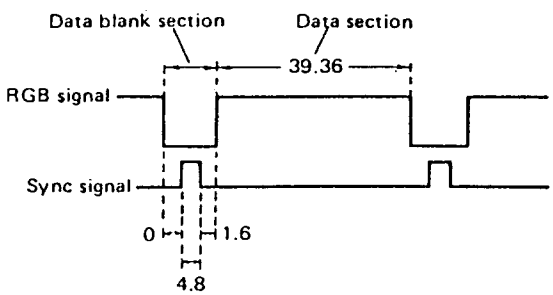


V. SYNC period (m sec.)

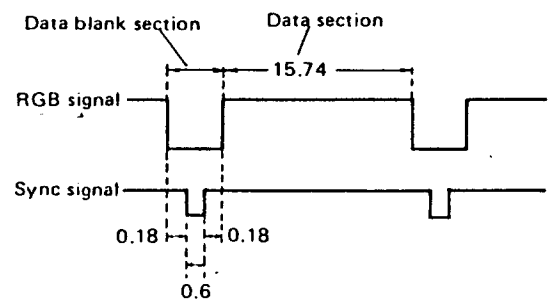


Mode 2

H. SYNC period (µ sec.)



V. SYNC period (m sec.) negative



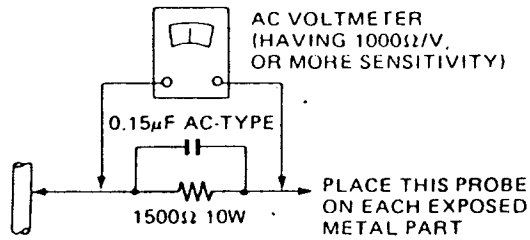
SAFETY PRECAUTION

1. The design of this product contains special hardware, many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of display should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in display sets have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by (⚠) on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual many create shock, fire, or other hazards.
4. **Use isolation transformer when hot chassis.**
   The chassis and any sub-chassis contrained in some product are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some product when the HOT chassis is exposed.
5. **Don't short between the LIVE side ground and NEUTRAL side ground when repairing.**
   Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE (primary: ⊥) side GND and the NEUTRAL (secondary: ⏚) side GND.
   Don't short between the LIVE side GND and NEUTRAL side GND or never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and NEUTRAL side GND at the same time.
   If above note will not be kept, a fuse or any parts will be broken.
6. If any repair has been made to the chassis, it is recommended that the B_1 setting should be checked or adjusted (See ADJUSTMENT OF B_1 VOLTAGE).
7. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approvided by the manufacturer of the complete product.
8. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
9. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
10. **Isolation Check**
    (Safety for Electrical Shock Hazard)
    After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (terminals, knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1,100V AC (r.m.s.) for a period of one second.
(. . . . . Withstand a voltage of 1,100V AC (r.m.s.) to an appliance rated up to 120V, and 3,000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

(2) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

- **Alternate Check Method**
  Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.).
  Measure the AC voltage across the resistor with the AC voltmeter.
  Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.35V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

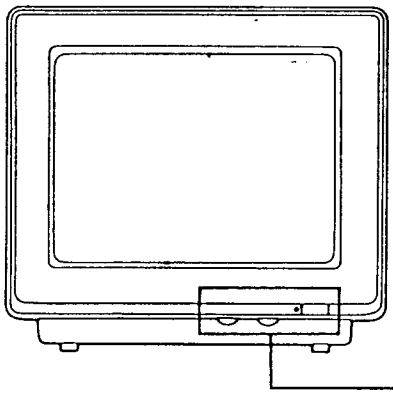


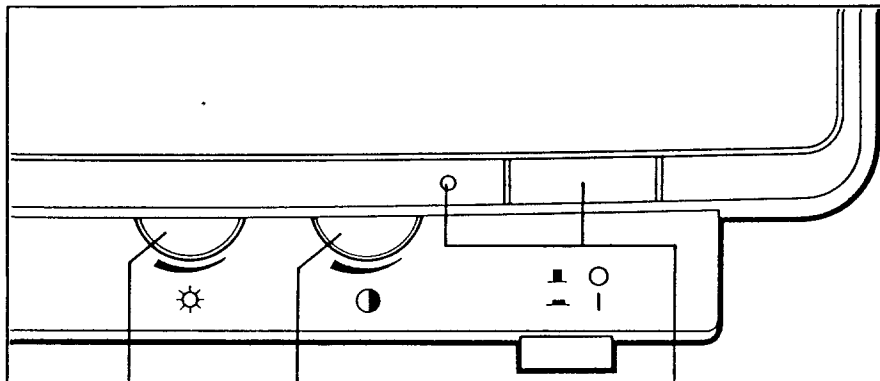
GOOD EARTH GROUND

11. **High voltage hold down circuit check.**
    After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.
    See item **"How to check the high voltage hold down circuit".**

FUNCTIONS

FRONT



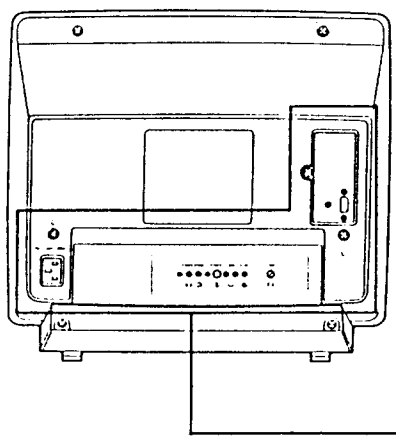


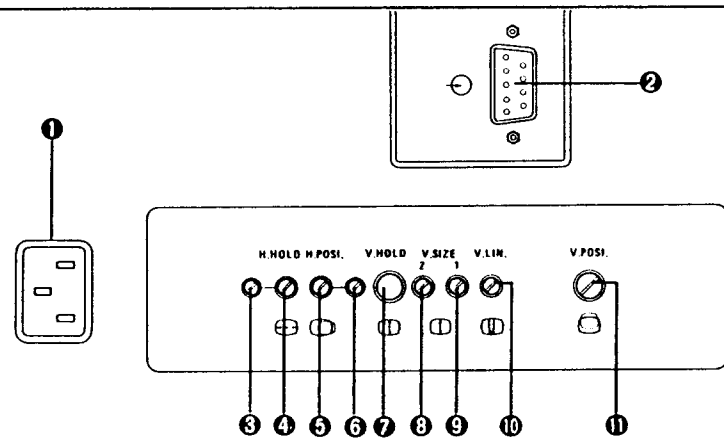
CONTRAST control
Use to adjust the contrast to your preference.

POWER switch/indicator
Depress to supply power. The indicator lights.
Depress again to turn the power off.

BRIGHTNESS control
Use to adjust the brightness to your preference.
The central click position is the normal position.

REAR





❶ **AC input connector**
Connect to the power cord.

❷ **Input connector**
Connect to the RGB output of the computer.

❸ **Sub Horizontal Hold control**
Use to adjust the horizontal hold when the input signal corresponds to Mode 2.

❹ **Horizontal Hold control**
Use to adjust the horizontal hold.

❺ **Horizontal Position control**
Use to adjust the horizontal position when the input signal corresponds to Mode 2.

❻ **Sub Horizontal Position control**
Use to adjust the horizontal position when the input signal corresponds to Mode 1.

❼ **Vertical Hold control**
Use to adjust the vertical hold.

❽ **Vertical Size control 2**
Use to adjust the vertical amplitude when the input signal corresponds to Mode 2.

❾ **Vertical Size control 1**
Use to adjust the vertical amplitude when the input signal corresponds to Mode 1.

❿ **Vertical Linearity control**
Use to adjust the vertical symmetry.

⓫ **Vertical Position control**
Use to adjust the vertical position.

* To turn controls ❸ through ❻, and ❽ through ⓫, use a small flat-head screwdriver.

REMOVING THE POWER P.C. BOARD

*After removing the Rear Cover

(1) Remove the three screws marked (D) shown in Fig. 4.
(2) Then remove the two screws marked (E) shown in Fig. 5.
(3) Remove the two connectors marked (F) shown in Fig. 5.
(4) Remove the eight screws marked (G) shown in Fig. 6
(5) Remove the four screws marked (H) shown in Fig. 7.
(6) Take-off the Power P.C. Board from the chassis and then check the Power P.C. Board.

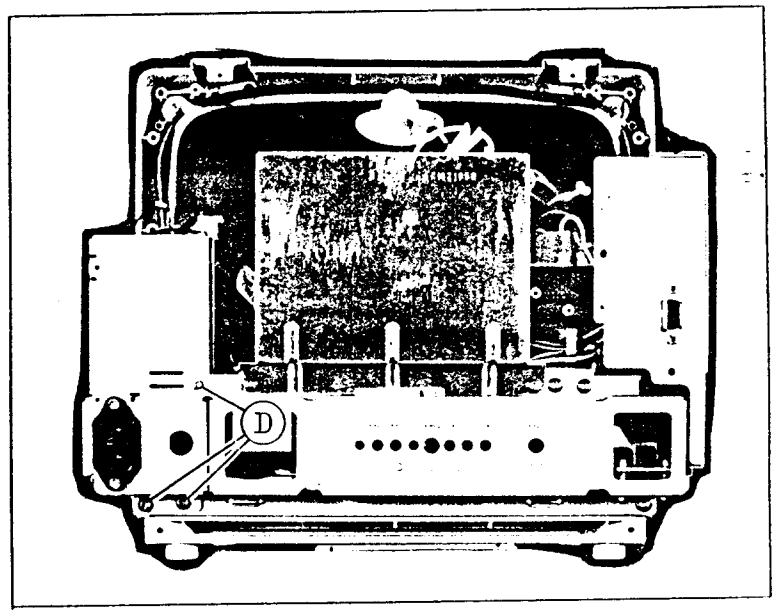


Fig. 4

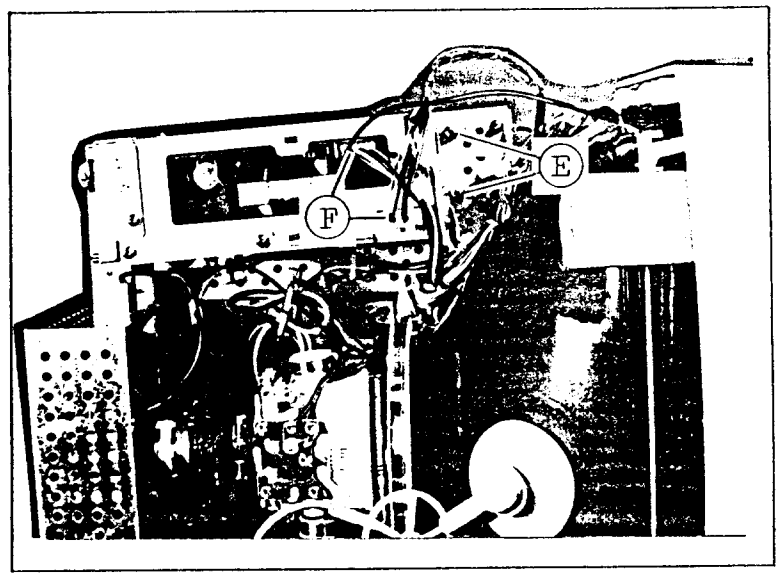


Fig. 5

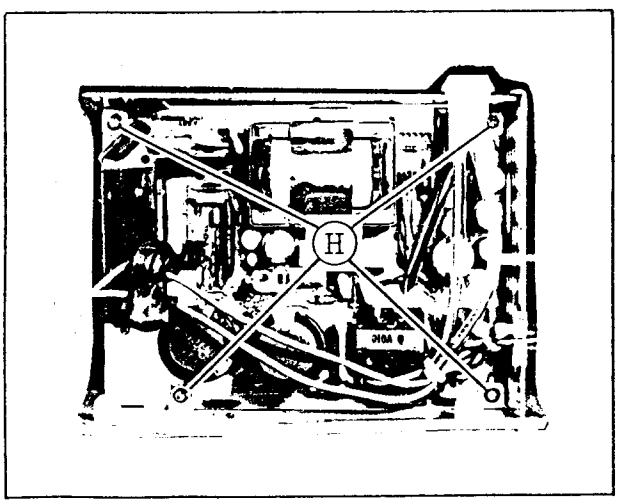


Fig. 7

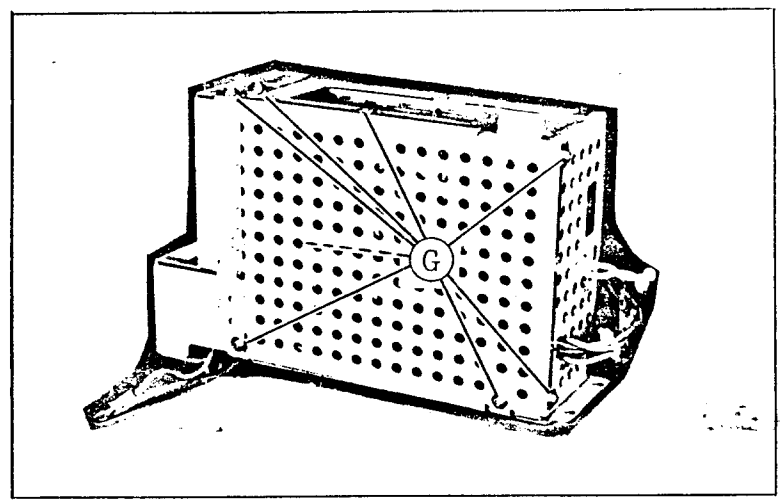


Fig. 6

HOW TO REMOVE FOR SERVICE

■ REMOVING THE REAR COVER

1. Unplug the power supply cord and unscrew the seven screws marked (A) shown in Fig. 1.

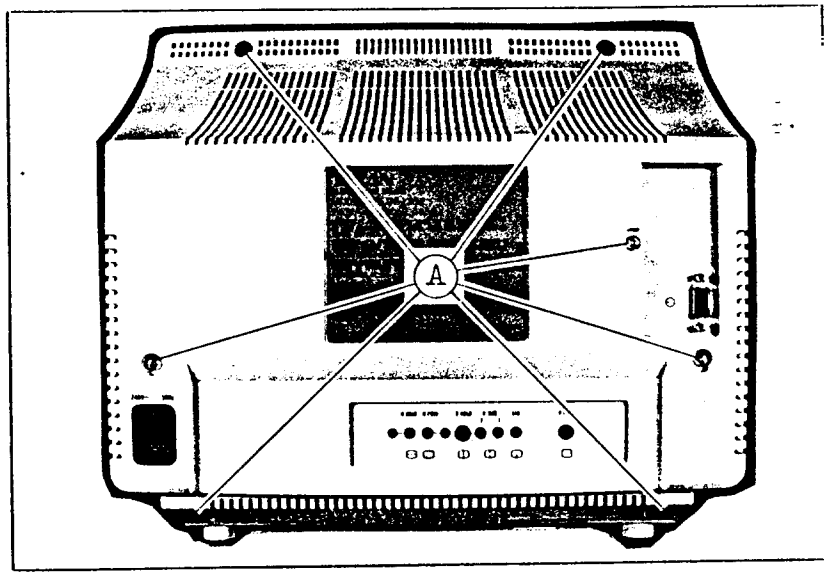


Fig. 1

■ REMOVING THE MAIN P.B. CHASSIS

*After removing the rear cover

1. Remove the two screws marked (B) shown in Fig. 2.
2. Remove the three screws marked (C) shown in Fig. 2.
3. Remove the earth wire. (four points)
4. Withdraw the main P.C. Board

* Remove the anode wire and other wires if necessary.

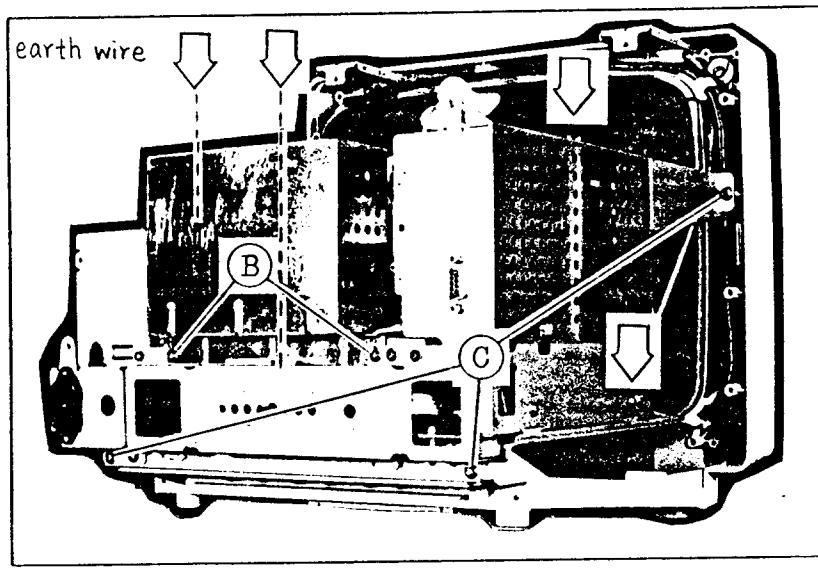


Fig. 2

*When conducting a check with power supplied, be sure to confirm that the CRT earth wire is connected to the CRT socket board and the main P.C. Board.

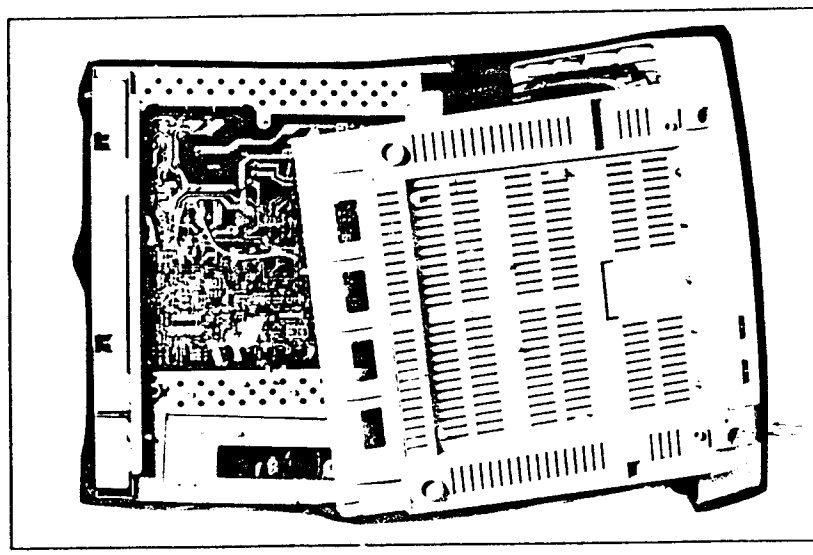


Fig. 3

REMOVING THE SHIELD COVER (SV-760EV ONLY)

1. Remove the four screws marked (A) shown Fig.8.
2. Remove the eight screws marked (B) shown Fig.9.
3. Remove the five screws marked (C) shown Fig.10.

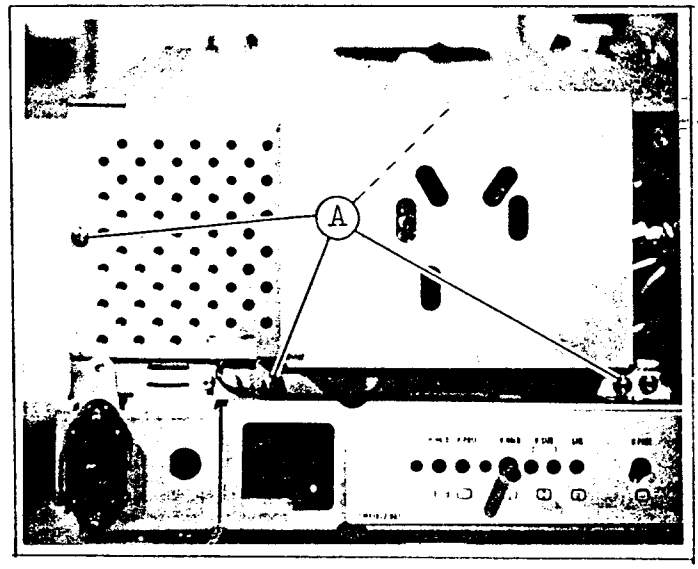


Fig. 8

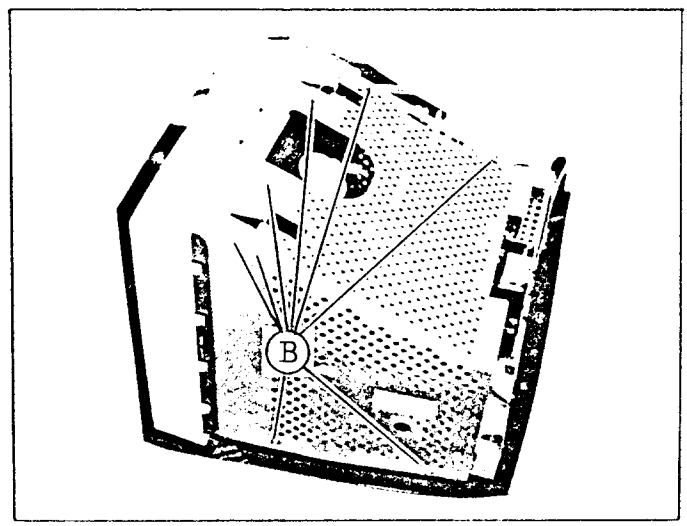


Fig. 9

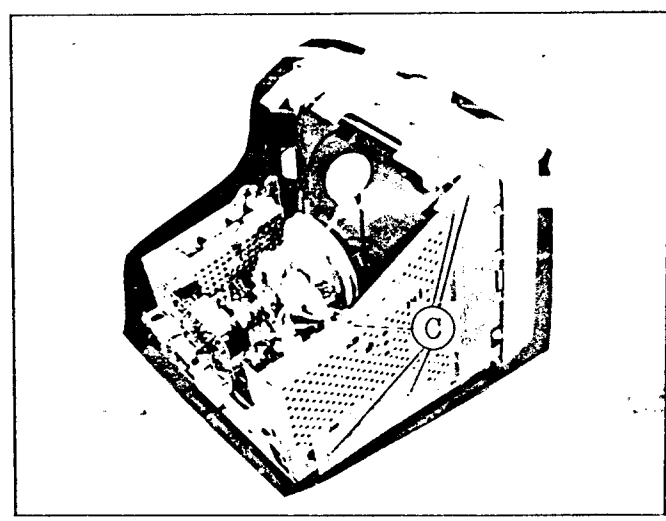
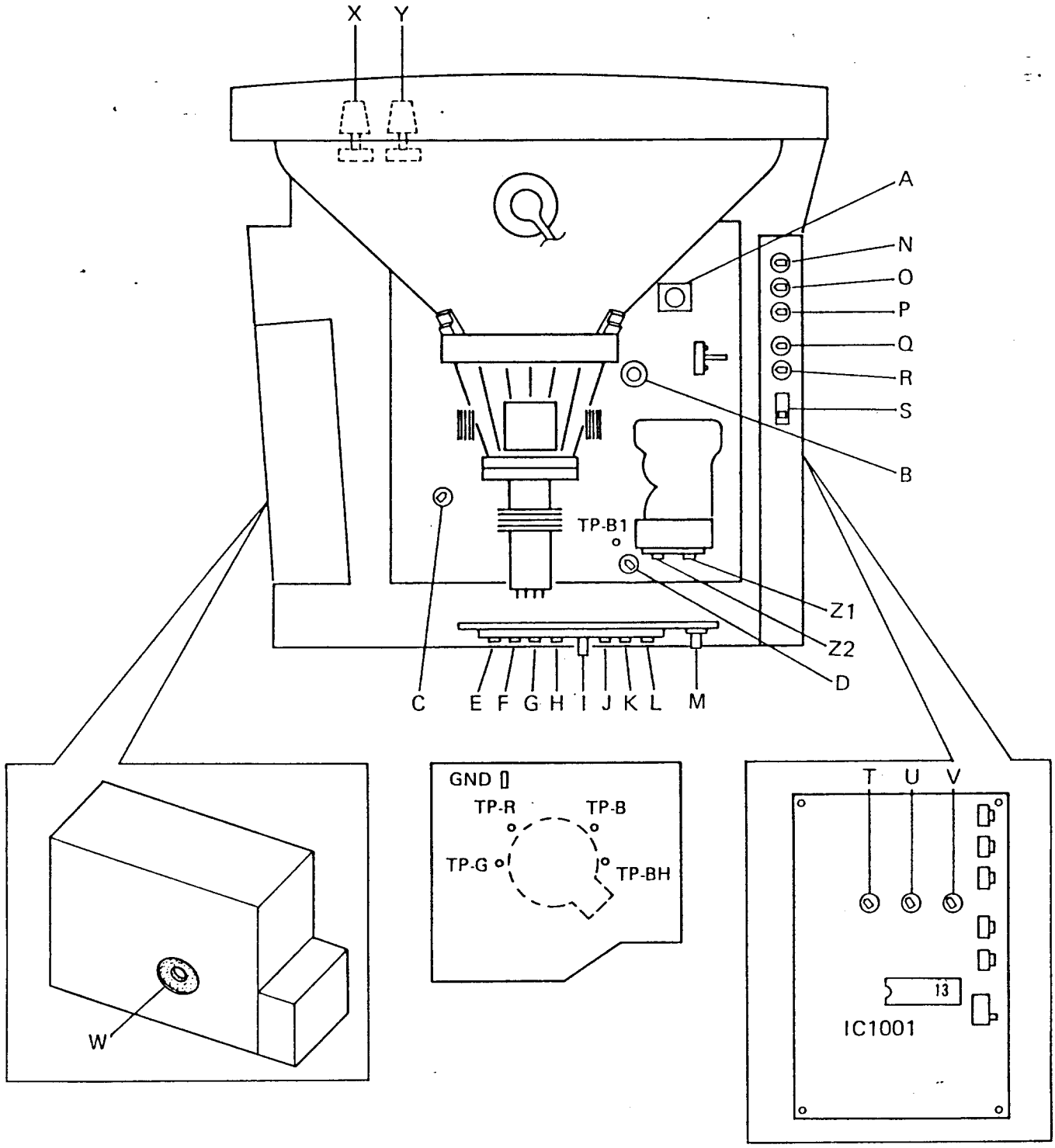


Fig. 10

ALIGNMENT LOCATIONS



A ··· H.WIDTH (L1533)
B ··· H.WIDTH (L1532)
C ··· SUB H.HOLD (R1508)
D ··· HB (R1570)
E ··· SUB H.HOLD (R4001 1/8)
F ··· H.HOLD (R4001 2/8)
G ··· H.POSITION (R4001 3/8)
H ··· SUB H.POSITION (R4001 4/8)
I ··· V.HOLD (R4001 5/8)
J ··· V.SIZE 2 (R4001 7/8)
K ··· V.SIZE 1 (R4001 6/8)
L ··· V.LIN (R4001 8/8)
M ··· V.POSITION (R4002)
N ··· B.CUT OFF (R1031)
O ··· G.CUT OFF (R1028)
P ··· R.CUT OFF (R1025)
Q ··· Y.BIAS (R1006)
R ··· SUB BRIGHT (R1015)
S ··· SERVICE SW (SW1401)
T ··· B.DRIVE (R1304)
U ··· G.DRIVE (R1204)
V ··· R.DRIVE (R1104)
W ··· B1 (R9920)
X ··· CONTRAST (R4013)
Y ··· BRIGHTNESS (R4019)
Z1 ·· SCREEN
Z2 ·· FOCUS

ALIGNMENT BY MEANS INSTRUMENTS

PREPARATION BEFORE MAKING ADJUSTMENT

1. Measuring instruments and jigs required for adjustment.

   - RGB signal generator (make use of TTL Level)
   - Oscilloscope
   - Voltmeter (Digital Voltmeter, Tester, etc.)
   - Knob screw driver
   - Hexagon core wrench
   - Scale

2. Turn the power on the unit to be adjusted and the measuring instruments at least 30 minutes beforehand for warming-up.

3. Before adjusting each section, confirm that the following rough adjustments have been completed.

   (1) Confirm that the white balance has been adjusted. If it is out of order, adjust it by following the description in "White Balance Adjustment".

   (2) Adjust the vertical synchronization by using the V. HOLD VR (R4001 5/8), and confirm also that the horizontal synchronization is normal. If it is out of order, adjust it by following the descriptions in "H. HOLD Adjustment".

   (3) Display letter @ and confirm that the picture is in focus.

B1 Voltage

(1) Confirm that the AC input voltage of regulation.

(2) Display black over the entire screen.

(3) With a digital voltmeter, look at the voltage on TP-B1. Adjust R9920(located on the power supply) to obtain 58 V DC. The voltage adjustment VR can be seen through a hole in the rear of the power supply.

High B

(1) Display black over the entire screen.

(2) With a digital voltmeter, look at the voltage on TP-BH. (TP-BH: on the CRT socket P.B.)

(3) Adjust HB VR R1570(located on the main PB) to obtain 120 V.

Checking of High Voltage

(1) Be sure and connect the earth of high voltage meter with chassis frame.

(2) Connect the probe of high voltage meter with the anode of CRT.

(3) Display black over the entire screen. (when the raster shown, adjust the BRIGHTNESS or SCREEN VR)

(4) Confirm the high voltage is 22.5 kV $\pm$ 1 kV. (at f_H=15.75 kHz and f_H=21.85 kHz)

Horizontal Hold, Vertical Hold

(1) Display closs-hatch or white over the entire screen of C.G.A.mode.

(2) Set the Horizontal Hold VR R4001 2/8(located on rear of monitor) to its center position.

(3) Place the H.Freq. Switch SW1801 to the POWER UNIT side.

(4) Adjust the Sub H.Hold VR R1508 until the almost stable.

(5) Display closs-hatch or white over the entire screen of E.G.A.mode.

(6) Adjust the Sub H.Hold VR R4001 1/8 until the almost stable.

(7) Place the H.Freq. Switch SW1801 to the center position.

(8) Adjust the Vertical Hold VR R4001 5/8 until the screen is vertically stable.

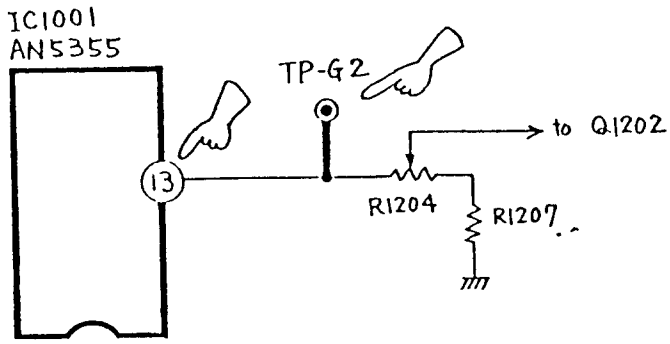
Black Level

(1) Set the BRIGHTNESS VR R4019(located on the front of the monitor) and the SUB BRIGHT VR R1015 to their center position.

(2) Display the black over the entire screen.

(3) Using an oscilloscope, connect a probe(referenced to chassis ground) to TP-G2. Adjust the Y.BIAS VR R1006 until the voltage at TP-G2 is 6.0 V. (DC level)

*either TP-G2 or 13pin of IC1001.



Bright Pulse

(1) Display black over the entire screen.

(2) Set the BRIGHTNESS VR R4019 to the center position.

(3) Connect an oscilloscope to TP-G2. Adjust the SUB BRIGHT VR R1015 until a minimum pulse is achieved.

WHITE BALANCE

Cut-off

(1) Display black over the entire screen.

(2) Turn the Cut-off VR R1025, R1028, R1031 and the Screen VR fully counterclockwise.

(3) Connect the oscilloscope to TP-R, TP-G,and TP-B, and adjust the Cut-off VRs so that each output becomes 100 V.

(4) Set the service switch SW1401 to the "S" position.

(5) Turn the Screen VR clockwise to a position where a single line is faintly displayed.

(6) Not using the cut-off VR which produced a color first, but using the other two cut-off VRs, adjust the colors so that the three colors emit a little light at the same level.

(7) Set the service switch to the "N" position.

Drive

(8) Set the CONTRAST VR R4602 to max.

(9) Display closs-hatch pattern.

(10) Connect the oscilloscope to TP-R and adjust the Red Drive VR R1104 so that the drive voltage from the black to white levels becomes 35 Vp-p $\pm$2V.

*Use vertical cycle of oscilloscope.

(11) Display white over the entire screen.

(12) Adjust the Drive VRs for G and B (excluding that for R) so that the raster becomes white.

*In case of used color analyzer (ex. MINOLTA TV-COLOR ANALYZER II TV-2140)

(12) Set the color analyzer.

(13) Adjust the Drive VRs for G and B (excluding that for R) until the x=0.281 y=0.311. (CIE 1931)

Focusing

(1) Display the leter @ over the entire screen.

(2) Adjust the CONTRAST VR R4013(located on the front of the monitor) until you are satisfied with the adjustment.

(3) Adjust the FORCUS VR until the center and peripheral areas are uniformly in focus.

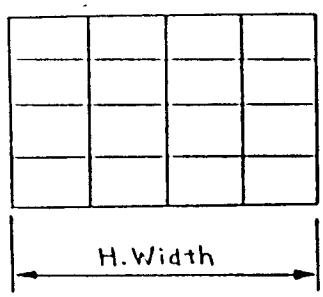
Horizontal Width

(1) Display closs-hatch over the entire screen of C.G.A.mode.

(2) Adjust the Horizontal Width Coil L1532 so that the pattern is 256 mm wide.
Refer to Figure.

(3) Display closs-hatch over the entire screen of E.G.A.mode.

(4) Adjust the Horizontal Width Coil L1533 so that the pattern is 256 mm wide.
Refer to Figure.



Vertical Height

(1) Display closs-hatch over the entire screen of C.G.A.mode.

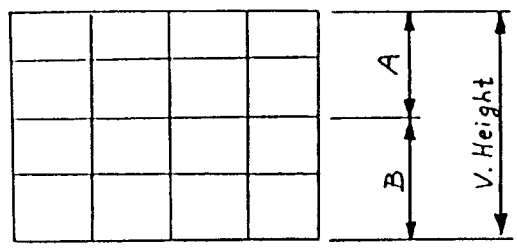
(2) Adjust the Vertical Size 1 VR R4001 6/8 until the pattern is 176 mm high.

(3) Display closs-hatch over the entire screen of E.G.A.mode.

(4) Adjust the Vertical Size 2 VR R4001 7/8 until the pattern is 176 mm high.

(5) Adjust the Vertical Linearity VR R4001 8/8 so that the top half and bottom half of the screen are linear(the distance between A and B are equal).

Refer to Figure.



Horizontal Position and Vertical Position

(1) Display closs-hatch over the entire screen of E.G.A.mode.

(2) Adjust the Vertical Position VR R4002 until the pattern is vertically centered in the screen.

(3) Adjust the Horizontal Position VR R4001 3/8 until the pattern is horizontally centered in the screen.

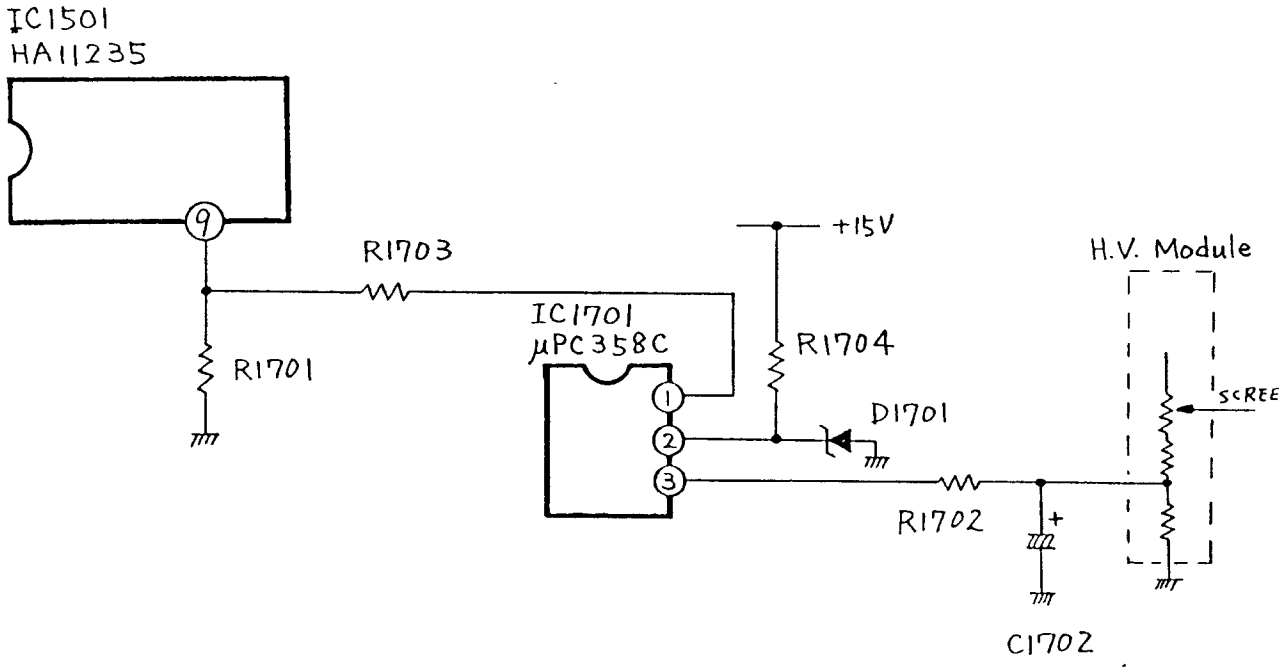
(4) Display closs-hatch over the entire screen of C.G.A.mode.

(5) Adjust the Sub Horizontal Position VR R4001 4/8 until the pattern is horizontally centered in the screen.

HOW TO CHECK THE HIGH VOLTAGE HOLD-DOWN CIRCUIT

1. HIGH VOLTAGE HOLD-DOWN CIRCUIT

   after repair of the high voltage hold-down circuit shown below, this circuit shall be checked to operate correctly.



2. CHECKING METHOD OF THE HIGH VOLTAGE HOLD-DOWN CIRCUIT.

   (1) Make the short circuiting across R9924 on the MA-9113A MA-9113B under normal operating condition.

   (2) Confirm the picture goes out.

COLOR-ADJUSTING MODES FOR CRT DISPLAY

* Make an adjustment when replacing a cathode-ray tube or when color shading occurs.
Basically, adjustment can be made in the same manner as for television, but, concerning display characterisitcs, it requires a greater degree of accuracy than television. Moreover, functions such as convergence take place in a quite delicate manner because a high-fineness CRT or medium-fineness CRT are used as the cathode-ray tube. Therefore, extreme care should be exercised when carrying out the adjustment.

■ CRT REPLACEMENT AND PREPARATIONS TO BE CONDUCTED BEFORE COMMENCING ADJUSTMENT

1. Wipe the entire CRT body lightly with a cloth.
2. Wind adhesive tape around two places on the neck part of the CRT. (Fig. 1)

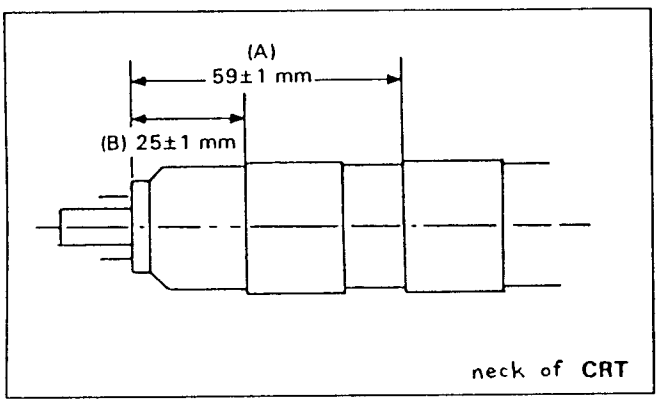


Fig. 1

3. Insert a deflecting yoke into the neck of the CRT without removing the tape.
4. Fasten a clamp screw so that the deflecting yoke is easily turned.
5. Attach a PC magnet and fasten a clamp screw.
6. As it is affected by the earth's magnetism, point the front of the CRT tube to the east or west (when a setting place is known beforehand, set it accordingly).
7. After attaching and wiring the deflecting yoke, CRT, socket, anode and earth, turn the switch "on" and confirm that a picture appears. Then make sure to demagnetize the entire CRT with a degaussing coil.

■ PURITY ADJUSTMENT

Before starting the adjustment

1. Demagnetize with a degaussing coil.
2. Remove the adhesive which is fixing the 6 magnet plates using a screwdriver, and loosen the magnet lock so that the magnet plates can be turned.

Adjusting Modes

1. Turn a green cutoff VR and a red/blue cutoff VR to the extreme right and left, respectively. Under this condition, the raster is easier to see when adjusting a screen VR.
2. Loosen the clamp screw fastening the deflecting yoke and draw the deflecting yoke to the extreme rear to produce round-shaped color shading (when phosphors of the RGB is coated in stripes, it appears as vertical stripes).
3. Overlap the long and short tabs of two purity mangets alternately and temporarily set them in a horizontal position.
4. Making and breaking the tabs of the two purity magnets, set a green circle (or a vertical stripe) in the center of the screen.
5. Push the deflecting yoke forward, and fix it so that the entire screen becomes green.
6. Produce a horizontal line and correct the inclination of it with the deflecting yoke (do not alter the forward and rear positions of the deflecting yoke).
7. Bring the single line back.
8. Fasten the deflecting yoke so that it does not move both forward and backward (do not change the inclination or forward and rear positions of it).
9. Fasten the magnet lock tightly.
10. Produce a white screen and degauss it, then check if there is any color shading.
    * If color shading appears, the deflecting yoke is either leaning forward or backward, and should be corrected.

■ STATIC (CENTER) CONVERGENCE ADJUSTMENT

Before Adjustment

1. Display a cross-hatch pattern.
2. Moving the deflecting yoke up and down and to the right and left, adjust the convergence around the periphery. Also, temporarily place a wedge on the upper part of the deflecting yoke. (Fig. 2)

Adjusting Mode

1. Overlap red and blue lines in the center of the screen with a four-pole magnet and produce a magenta color.
2. Overlap the red/blue (magenta) line placed in the center of the screen and the green line with a six-pole magnet.
3. Repeating 1 and 2, perfectly match the longitudinal and vertical lines located in the center of the screen.

■ DYNAMIC (PERIPHERY) CONVERGENCE ADJUSTMENT

Adjusting Mode

1. Remove the wedge with which the deflecting yoke was temporarily fixed.
2. Oscillating the deflecting yoke up and down, set a convergence of points, L, R, T and B, on the screen and temporarily fix it with a wedge. (Fig. 4)
3. Maintaining that situation, oscillate the deflecting yoke right and left and set the convergence of points, L, R, T and B, on the screen. (Fig. 5)
4. Repeating 2 and 3, fix the position of the deflecting yoke with wedges so as to produce the best condition for the convergence of points L, R, T and B, on the screen. Removable paper of the double-sided adhesive tape on the wedges should be removed first, and as Fig. 6 shows, inserting the wedges in order of A and B, using doublesided adhesive tape after they are firmly inserted into position.
5. After complection of static-dynamic convergence adjustment, fix the magnet lock. (At that time, center convergence might cause an aberration. If this happens, unlock it and repeat the convergence adjustment until it does not cause any aberration.)

Note 1. The double-side tape on the wedges loses adhesion once it is used. Use new tape as needed.

Note 2. When a wedge is inserted, the deflecting yoke moves slightly backward, so fix the deflecting yoke slightly forward, for the time being, prior to insertion.

Note 3. If the convergence of the points, TR, TL, BR and BL are not within the standard values, correct them with the ribbon (magnetic body). (Refer to corresponding paragraphs.)

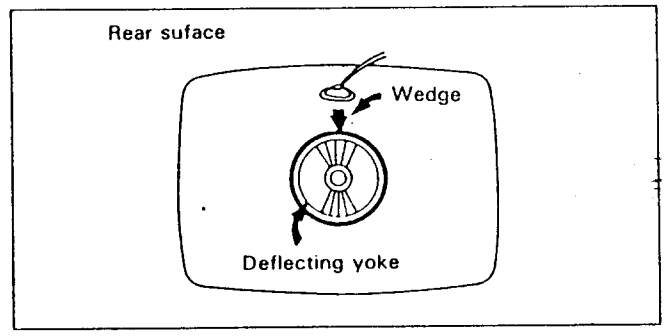


Fig. 2

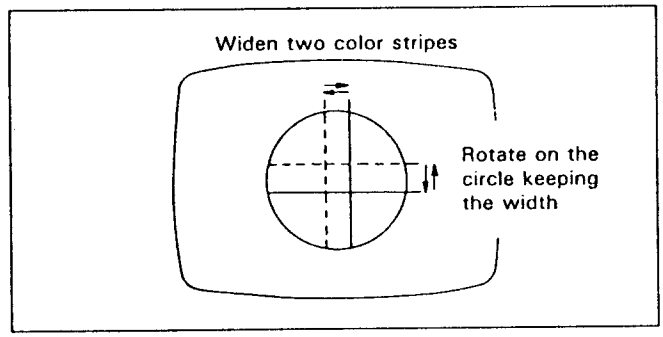


Fig. 3

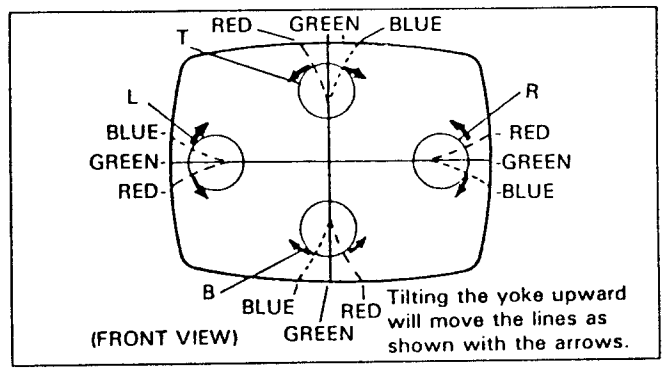


Fig. 4

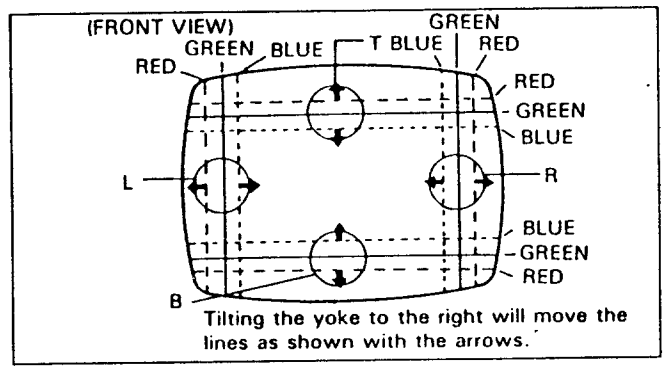


Fig. 5

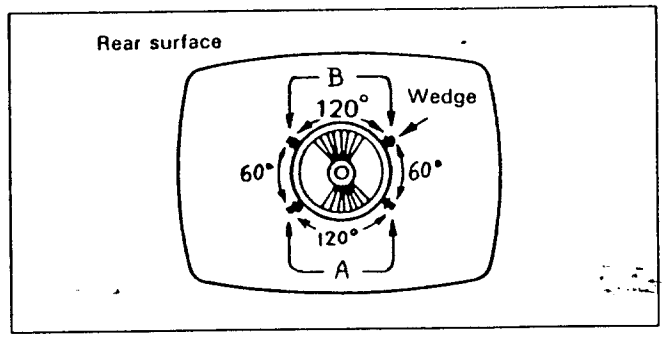


Fig. 6

■ CORRECTION MODES OF DYNAMIC (PERIPHERY) CONVERGENCE AND RIBBON (MAGNETIC MATERIAL)

- When the periphery (points TR, TL, BR, BL on the screen) convergence is nonstandardized, correct it by inserting a ribbon between the deflecting yoke and CRT funnel.
- For example, when correcting convergence of the point TR on the screen in Fig. 7, insert the ribbon in the upper-right position of the CRT facing the front.
  When looking at the convergence aberration of the point TR on the screen (longitudinal and vertical line), set the position of the ribbon and correct the convergence in accordance with the following steps.

1. Moving the ribbon toward the periphery, find the position where minimum aberration of the point TR is obtained. (Fig. 8)

2. Maintaining that position, adjust the depth for inserting the ribbon and correcting the quantity of convergence in order. (Fig. 9)

3. When the position for attaching the ribbon is set, fix it with double-sided adhesive tape.

Note When the ribbon is fixed in an improper location it might cause more aberration, so ensure to fix it in the correct position.

* Part No. of the ribbon: CJ40070-00A

■ AFTER COMPLETION OF PURITY-CONVERGENCE ADJUSTMENT

1. Fasten the clamp screw of the deflecting yoke tightly.
2. Wind and fasten the magnet lock tightly.
3. Coat the PC magnet with lerchlock (Fig. 10)
   * **Lerchlock Type name No. 3-C** NET 200g
   (Manufacturer-Raihiden Kagaku Kabushikigaisha)
4. Coat silicon on the three wedges. (Fig. 10)
   * **Silicon Type name KE4866** NET 100g
   (Shinetsu Kagaku)

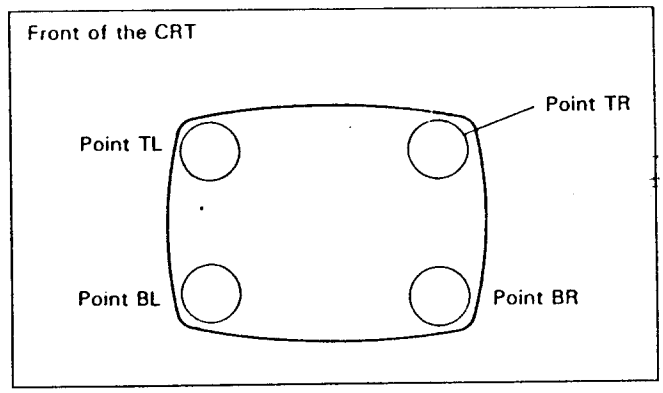


Fig. 7

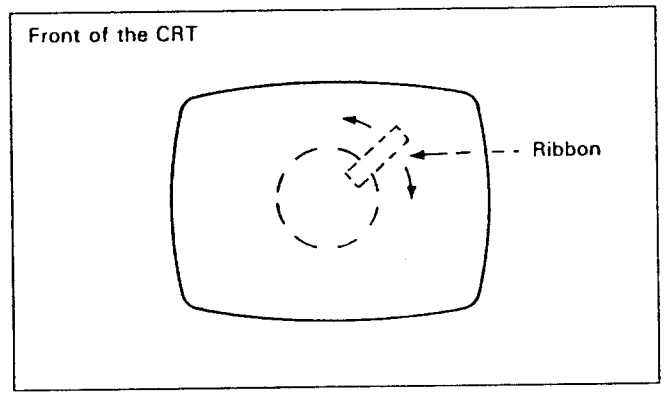


Fig. 8

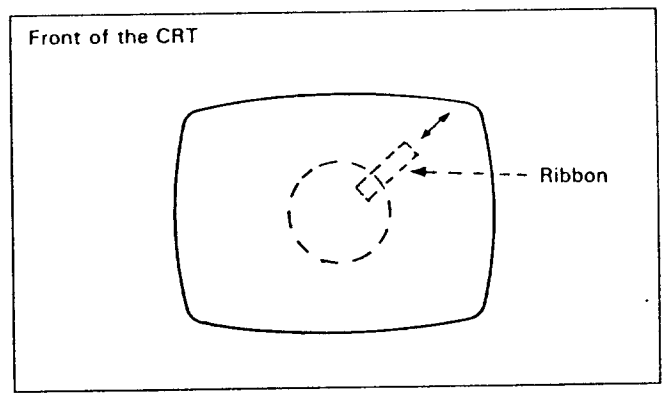


Fig. 9

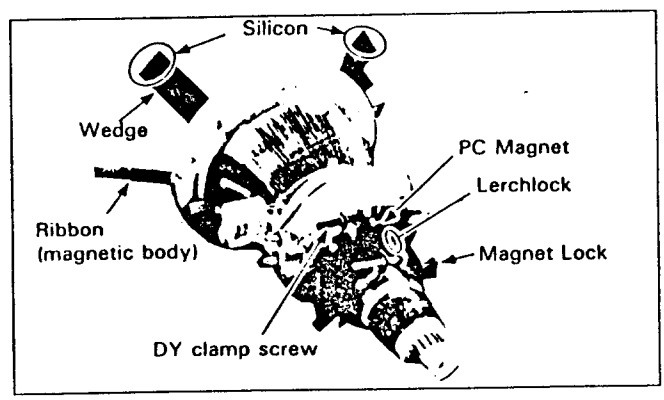


Fig. 10

REPLACEMENT PARTS LIST INFORMATION

PRODUCT SAFETY NOTE
Components identified by the ⚠ symbol in the PARTS LIST and the shaded areas on the Schematic have special characteristics important to safety. Before replacing any of these components read carefully the **SAFETY PRECAUTION** on Page 3 of this Service Manual.
DO NOT degrade the safety of the set through improper servicing.

1. ABBREVIATED WORD OF RESISTORS AND CAPACITORS

RESISTOR

C R	:	Carbon Resistor
Comp. R	:	Composition Resistor
OM R	:	Oxide Metal Film Resistor
V R	:	Variable Resistor
MF R	:	Metal Film Resistor
UNF R	:	Nonflammable Resistor
F R	:	Fusible Resistor
CH MG R	:	Chip Metal Glaze Resistor

CAPACITOR

C Cap.	:	Ceramic Capacitor
M Cap.	:	Mylar Capacitor
E Cap.	:	Electrolytic Capacitor
BP E Cap.	:	Bi-Polar (or Non-Polar) Electrolytic Capacitor
MM Cap.	:	Metalized Mylar Capacitor
PP Cap.	:	Polypropylene Capacitor
MPP Cap.	:	Metalized PP Capacitor
PS Cap.	:	Polystyrol Capacitor
Tan. Cap.	:	Tantal Capacitor
CH C Cap.	:	Chip Ceramic Capacitor

2. DECODING OF TOLERANCE AND CONSTANT TERM

TOLERANCE

J: ±5% K: ±10% M: ±20% N: ±30% H: $^{+50}_{-10}$%

Z: $^{+80}_{-20}$% P: $^{+100}_{-0}$% R: $^{+30}_{-10}$%

CONSTANT TERM

• Carbon Resistor (1/4W, ±5% Tolerance)

QRD141J – □□□
CONSTANT TERM.

– □□□

1 R 0 → 1.0Ω
⋮ ⋮ ⋮
9 R 7 → 9.7Ω

1 0 □ → 10□ means 10 × $10^{□}$ (Ω)
⋮ ⋮ ⋮
8 2 □ → 82□ means 82 × $10^{□}$ (Ω)

2.7Ω → QRD141J-2R7
47kΩ → 47 × 10^{3} → QRD141J-473

• Ceramic Capacitor (50 Volts, ±5% Tolerance)

QCS11HJ – □□□
CONSTANT TERM.

– □□□

1 R 0 → 1.0pF
⋮ ⋮ ⋮
8 R 0 → 8.0pF

1 0 □ → 10□ means 10 × $10^{□}$ (pF)
⋮ ⋮ ⋮
8 8 □ → 88□ means 88 × $10^{□}$ (pF)

5pF → QCS11HJ-5R0
680pF → 68 × 10^{1} → QCS11HJ-681
3300pF → 33 × 10^{2} → QCS11HJ-332

REPLACEMENT PARTS LIST

A point of difference

	SV-760B	SV-760E	SV-760EV
Power P.C.B.	MA-9113B	MA-9113B	MA-9113A
Roll R Label	CM32329-002(R)	CM32329-A01(R)	CM32333-001(R)
Volt Label	CM44097-002	CM44097-009	CM44097-009
Noise Filter	CE40811-00G	CE40811-00G	CE40811-00H

MA-1046A (RGB P,B, ASSY)

SYMBOL NO.	PART NO.	PART NAME	REMARKS
VARIABLE R			
R1006	A76195-102	V R	1kΩ B (Y. BIAS)
R1015	A76195-472	V R	4.7kΩ B (SUB BRIGHT)
R1025	A76195-102	V R	1kΩ B (R. CUT OFF)
R1028	A76195-102	V R	1kΩ B (G. CUT OFF)
R1031	A76195-102	V R	1kΩ B (B. CUT OFF)
R1104	QVPE602-102H	V R	1kΩ B (R. DRIVE)
R1204	QVPE602-102H	V R	1kΩ B (G. DRIVE)
R1304	QVPE602-102H	V R	1kΩ B (B. DRIVE)
R1508	QVZ3507-222	V R	2.2kΩ B (SUB H. HOLD)
R1570	QVZ3507-103	V R	10kΩ B (HB ADJ.)
RESISTOR			
R1001	QRD161J-472Y	C R	4.7kΩ 1/6W J
R1003	QRD161J-152Y	C R	1.5kΩ 1/6W J
R1005	QRD161J-332Y	C R	3.3kΩ 1/6W J
R1007	QRD161J-472Y	C R	4.7kΩ 1/6W J
R1008	QRD161J-474Y	C R	470kΩ 1/6W J
R1009	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1010	QRD161J-394Y	C R	390kΩ 1/6W J
R1011	QRD161J-392Y	C R	3.9kΩ 1/6W J
R1014	QRD161J-562Y	C R	5.6kΩ 1/6W J
R1017	QRD161J-821Y	C R	820 Ω 1/6W J
R1018	QRD161J-332Y	C R	3.3kΩ 1/6W J
R1019	QRD121J-561SY	C R	560 Ω 1/2W J
R1026	QRD161J-471Y	C R	470 Ω 1/6W J
R1030	QRD161J-680Y	C R	68 Ω 1/6W J
R1033	QRD161J-821Y	C R	820 Ω 1/6W J
R1034	QRD161J-102Y	C R	1kΩ 1/6W J
R1035	QRD161J-222Y	C R	2.2kΩ 1/6W J
R1036	QRD161J-123Y	C R	12kΩ 1/6W J
R1037	QRD161J-103Y	C R	10kΩ 1/6W J
R1058	QRD161J-562Y	C R	5.6kΩ 1/6W J
R1059	QRD161J-562Y	C R	5.6kΩ 1/6W J
R1060	QRD161J-562Y	C R	5.6kΩ 1/6W J
R1061	QRD161J-103Y	C R	10kΩ 1/6W J
R1062	QRD161J-562Y	C R	5.6kΩ 1/6W J
R1064	QRD161J-821Y	C R	820 Ω 1/6W J
R1065	QRD161J-152Y	C R	1.5kΩ 1/6W J
R1066	QRD161J-101Y	C R	100 Ω 1/6W J
R1067	QRD141J-391SY	C R	390 Ω 1/4W J
R1068	QRD142J-152S	C R	1.5kΩ 1/4W J
R1069	QRD161J-391Y	C R	390 Ω 1/6W J
R1070	QRD161J-390Y	C R	39 Ω 1/6W J
R1071	QRD161J-101Y	C R	100 Ω 1/6W J
R1072	QRD161J-821Y	C R	820 Ω 1/6W J
R1073	QRD161J-152Y	C R	1.5kΩ 1/6W J
R1074	QRD161J-101Y	C R	100 Ω 1/6W J
R1075	QRD141J-820SY	C R	82 Ω 1/4W J
R1076	QRD161J-332Y	C R	3.3kΩ 1/6W J
R1077	QRD141J-182SY	C R	1.8kΩ 1/4W J
R1078	QRG029J-101A	OM R	100 Ω 2W J
R1079	QRG029J-101A	OM R	100 Ω 2W J
R1081	QRD161J-331Y	C R	330 Ω 1/6W J
R1082	QRD161J-331Y	C R	330 Ω 1/6W J
R1083	QRD162J-472	C R	4.7kΩ 1/6W J
R1084	QRD162J-472	C R	4.7kΩ 1/6W J
R1091	QRD162J-221	C R	220 Ω 1/6W J
R1092	QRD162J-221	C R	220 Ω 1/6W J
R1093	QRD162J-221	C R	220 Ω 1/6W J

MA-1046A

SYMBOL NO.	PART NO.	PART NAME	REMARKS
RESISTOR			
R1094	QRD162J-221	C R	220 Ω 1/6W J
R1095	QRD162J-221	C R	220 Ω 1/6W J
R1096	QRD162J-221	C R	220 Ω 1/6W J
R1102	QRD149J-100S	C R	10 Ω 1/4W J
R1105	QRD161J-272Y	C R	2.7kΩ 1/6W J
R1106	QRD161J-821Y	C R	820 Ω 1/6W J
R1107	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1109	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1110	QRD161J-101Y	C R	100 Ω 1/6W J
R1111	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1112	QRD161J-102Y	C R	1kΩ 1/6W J
R1113	QRD141J-220SY	C R	22 Ω 1/4W J
R1125	QRD161J-822Y	C R	8.2kΩ 1/6W J
R1202	QRD149J-100S	C R	10 Ω 1/4W J
R1205	QRD161J-272Y	C R	2.7kΩ 1/6W J
R1206	QRD161J-821Y	C R	820 Ω 1/6W J
R1207	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1209	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1210	QRD161J-101Y	C R	100 Ω 1/6W J
R1211	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1212	QRD161J-102Y	C R	1kΩ 1/6W J
R1213	QRD161J-220Y	C R	22 Ω 1/6W J
R1225	QRD161J-822Y	C R	8.2kΩ 1/6W J
R1302	QRD149J-100S	C R	10 Ω 1/4W J
R1305	QRD161J-272Y	C R	2.7kΩ 1/6W J
R1306	QRD161J-821Y	C R	820 Ω 1/6W J
R1307	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1309	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1310	QRD161J-101Y	C R	100 Ω 1/6W J
R1311	QRD161J-122Y	C R	1.2kΩ 1/6W J
R1312	QRD161J-102Y	C R	1kΩ 1/6W J
R1313	QRD161J-220Y	C R	22 Ω 1/6W J
R1325	QRD161J-822Y	C R	8.2kΩ 1/6W J
R1401	QRD161J-561Y	C R	560 Ω 1/6W J
R1402	QRD161J-392Y	C R	3.9kΩ 1/6W J
R1403	QRD141J-223SY	C R	22kΩ 1/4W J
R1404	QRD161J-822Y	C R	8.2kΩ 1/6W J
R1405	QRD161J-392Y	C R	3.9kΩ 1/6W J
R1406	QRD161J-561Y	C R	560 Ω 1/6W J
R1407	QRD161J-123Y	C R	12kΩ 1/6W J
R1408	QRD141J-471SY	C R	470 Ω 1/4W J
R1411	QRD141J-333SY	C R	33kΩ 1/4W J
R1412	QRD161J-103Y	C R	10kΩ 1/6W J
R1413	QRD161J-103Y	C R	10kΩ 1/6W J
R1414	QRD161J-562Y	C R	5.6kΩ 1/6W J
R1417	QRD121J-2R2SY	C R	2.2 Ω 1/2W J
R1420	QRD121J-471SY	C R	470 Ω 1/2W J
R1422	QRD121J-391SY	C R	390 Ω 1/2W J
R1424	QRX029J-4R3A	MF R	4.3 Ω 2W J
R1425	QRD121J-271SY	C R	270 Ω 1/2W J
R1426	QRD121J-821SY	C R	820 Ω 1/2W J
R1451	QRD162J-683	C R	68kΩ 1/6W J
R1452	QRD161J-392Y	C R	3.9kΩ 1/6W J
R1502	QRD161J-103Y	C R	10kΩ 1/6W J
R1503	QRD161J-103Y	C R	10kΩ 1/6W J
R1504	QRD161J-563Y	C R	56kΩ 1/6W J
R1505	QRD161J-123Y	C R	12kΩ 1/6W J
R1509	QRD161J-822Y	C R	8.2kΩ 1/6W J

MA-1046A

SYMBOL NO.	PART NO.	PART NAME	REMARKS		
RESISTOR					
R1510	QRV141F-1692AY	MF R	16.9kΩ	1/4W	F
R1511	QRD121J-121SY	C R	120 Ω	1/2W	J
R1513	QRD161J-822Y	C R	8.2kΩ	1/6W	J
R1516	QRD161J-151Y	C R	150 Ω	1/6W	J
R1517	QRD121J-182SY	C R	1.8kΩ	1/2W	J
R1521	QRD161J-102Y	C R	1kΩ	1/6W	J
R1522	QRD161J-271Y	C R	270 Ω	1/6W	J
R1523	QRD161J-472Y	C R	4.7kΩ	1/6W	J
R1524	QRD141J-102SY	C R	1kΩ	1/4W	J
R1525	QRG039J-101	OM R	100 Ω	3W	J
R1526	QRD161J-102Y	C R	1kΩ	1/6W	J
R1527	QRD161J-472Y	C R	4.7kΩ	1/6W	J
R1531	QRX019J-R47S	MF R	0.47 Ω	1W	J
R1532	QRD161J-560Y	C R	56 Ω	1/6W	J
R1533	QRG029J-102A	OM R	1kΩ	2W	J
R1536	QRG039J-102A	OM R	1kΩ	3W	J
R1540	QRG029J-331A	OM R	330 Ω	2W	J
R1547	QRD161J-103Y	C R	10kΩ	1/6W	J
R1548	QRD161J-392Y	C R	3.9kΩ	1/6W	J
R1549	QRD161J-473Y	C R	47kΩ	1/6W	J
R1550	QRD121J-271SY	C R	270 Ω	1/2W	J
R1551	QRD161J-392Y	C R	3.9kΩ	1/6W	J
R1552	QRD161J-473Y	C R	47kΩ	1/6W	J
R1553	QRD161J-271Y	C R	270 Ω	1/6W	J
R1556	QRD123J-560S	C R	56 Ω	1/2W	J
R1557	QRD161J-472Y	C R	4.7kΩ	1/6W	J
R1558	QRD161J-682Y	C R	6.8kΩ	1/6W	J
R1561	QRD161J-561Y	C R	560 Ω	1/6W	J
R1562	QRD161J-683Y	C R	68kΩ	1/6W	J
R1563	QRD161J-823Y	C R	82kΩ	1/6W	J
R1564	QRG019J-183S	OM R	18kΩ	1W	J
R1565	QRG029J-152A	OM R	1.5kΩ	2W	J
R1566	QRG019J-472S	OM R	4.7kΩ	1W	J
R1567	QRD121J-273SY	C R	27kΩ	1/2W	J
R1569	QRD121J-124SY	C R	120kΩ	1/2W	J
R1571	QRD161J-222Y	C R	2.2kΩ	1/6W	J
R1572	QRD121J-273SY	C R	27kΩ	1/2W	J
R1581	QRD161J-683Y	C R	68kΩ	1/6W	J
R1582	QRD161J-683Y	C R	68kΩ	1/6W	J
R1583	QRD161J-272Y	C R	2.7kΩ	1/6W	J
R1701	QRD161J-222Y	C R	2.2kΩ	1/6W	J
R1702	QRD141J-103SY	C R	10kΩ	1/4W	J
R1703	QRD161J-822Y	C R	8.2kΩ	1/6W	J
R1704	QRD161J-182Y	C R	1.8kΩ	1/6W	J
R1801	QRD161J-562Y	C R	5.6kΩ	1/6W	J
R1802	QRD161J-562Y	C R	5.6kΩ	1/6W	J
R1803	QRD161J-272Y	C R	2.7kΩ	1/6W	J
R1804	QRD161J-272Y	C R	2.7kΩ	1/6W	J
R1805	QRD161J-154Y	C R	150kΩ	1/6W	J
R1806	QRD161J-154Y	C R	150kΩ	1/6W	J
R1807	QRD161J-333Y	C R	33kΩ	1/6W	J
R1809	QRD161J-223Y	C R	22kΩ	1/6W	J
R1810	QRD161J-822Y	C R	8.2kΩ	1/6W	J
R1811	QRD161J-562Y	C R	5.6kΩ	1/6W	J
R1812	QRD161J-562Y	C R	5.6kΩ	1/6W	J
R1815	QRD161J-562Y	C R	5.6kΩ	1/6W	J
R1816	QRD161J-683Y	C R	68kΩ	1/6W	J
R1817	QRD161J-333Y	C R	33kΩ	1/6W	J

MA-1046A

SYMBOL NO.	PART NO.	PART NAME	REMARKS		
RESISTOR					
R1818	QRD161J-682Y	C R	6.8kΩ	1/6W	J
R1829	QRD141J-821SY	C R	820 Ω	1/4W	J
R1830	QRD161J-273Y	C R	27kΩ	1/6W	J
R1833	QRD161J-103Y	C R	10kΩ	1/6W	J
R1835	QRD161J-472Y	C R	4.7kΩ	1/6W	J
R4022	QRD162J-222	C R	2.2kΩ	1/6W	J
CAPACITOR					
C1005	QETC1EM-107Z	E CAP.	100μF	25V	M
C1006	QET61HR-105Z	E CAP.	1μF	50V	R
C1009	QFM71HK-103MZ	M CAP.	0.01μF	50V	K
C1052	QFM72AK-104M	M CAP.	0.1μF	100V	K
C1053	QET61ER-475Z	E CAP.	4.7μF	25V	R
C1055	QETA1AM-477	E CAP.	470μF	10V	M
C1056	QET61ER-476Z	E CAP.	47μF	25V	R
C1057	QETC1EM-107Z	E CAP.	100μF	25V	M
C1058	QETB1AM-227	E CAP.	220μF	10V	M
C1059	QFM72AK-184M	M CAP.	0.18μF	100V	K
C1060	QCS31HJ-221Z	C CAP.	220pF	50V	J
C1101	QET61ER-107Z	E CAP.	100μF	25V	R
C1102	QCS31HJ-100MZ	C CAP.	10pF	50V	J
C1105	QEN61HM-474Z	BP E CAP.	0.47μF	50V	M
C1106	QET61CR-106Z	E CAP.	10μF	16V	R
C1112	QCS31HJ-471MZ	C CAP.	470pF	50V	J
C1119	QEN51HM-335	BP E CAP.	3.3μF	50V	M
C1120	QET61HR-335Z	E CAP.	3.3μF	50V	R
C1201	QETC1EM-107Z	E CAP.	100μF	25V	M
C1202	QCS31HJ-100MZ	C CAP.	10pF	50V	J
C1205	QEN61HM-474Z	BP E CAP.	0.47μF	50V	M
C1206	QET61CR-106Z	E CAP.	10μF	16V	R
C1212	QCS31HJ-471MZ	C CAP.	470pF	50V	J
C1219	QEN51HM-335	BP E CAP.	3.3μF	50V	M
C1220	QET51HR-335	E CAP.	3.3μF	50V	R
C1301	QETC1EM-107Z	E CAP.	100μF	25V	M
C1302	QCS31HJ-100MZ	C CAP.	10pF	50V	J
C1305	QEN61HM-474Z	BP E CAP.	0.47μF	50V.	M
C1306	QET61CR-106Z	E CAP.	10μF	16V	R
C1312	QCS31HJ-471MZ	C CAP.	470pF	50V	J
C1319	QEN61HM-335Z	BP E CAP.	3.3μF	50V	M
C1320	QET51HR-335	E CAP.	3.3μF	50V	R
C1401	QCS31HJ-681MZ	C CAP.	680pF	50V	J
C1402	QEE61VK-105BZ	TAN. CAP.	1μF	35V	K
C1403	QET51CR-477	E CAP.	470μF	16V	R
C1404	QFZ0083-104M	M CAP.	0.1μF	50V	K
C1405	QFM71HK-222MZ	M CAP.	2200pF	50V	K
C1406	QFM71HK-273MZ	M CAP.	0.027μF	50V	K
C1407	QET61HR-475Z	E CAP.	4.7μF	50V	R
C1408	QEH51HM-336M	E CAP.	33μF	50V	M
C1410	QEH51HM-336M	E CAP.	33μF	50V	M
C1411	QEH51HM-226M	E CAP.	22μF	50V	M
C1412	QEH51VM-107M	E CAP.	100μF	35V	M
C1414	QCS31HJ-151MZ	C CAP.	150pF	50V	J
C1415	QFM71HK-472MZ	M CAP.	4700pF	50V	K
C1420	QEH51CM-477M	E CAP.	470μF	16V	M
C1421	QEZ0094-108R	E CAP.	1000μF	35V	M
C1422	QFM72AK-473M	M CAP.	0.047μF	100V	K
C1423	QEH51VM-477M	E CAP.	470μF	35V	M
C1424	QEZ0094-108R	E CAP.	1000μF	35V	M
C1452	QET61HR-105Z	E CAP.	1μF	50V	R

MA-1046A

	SYMBOL NO.	PART NO.	PART NAME	REMARKS		
	CAPACITOR					
	C1454	QCS11HJ-121	C CAP.	120pF	50V	J
	C1501	QFM71HK-102MZ	M CAP.	1000pF	50V	K
	C1502	QFM71HK-682MZ	M CAP.	6800pF	50V	K
	C1503	QET61HR-105Z	E CAP.	1μF	50V	R
	C1504	QFP31HJ-222SZ	PP CAP.	2200pF	50V	J
	C1505	QFP31HJ-472SZ	PP CAP.	4700pF	50V	J
	C1507	QFM71HJ-392MZ	M CAP.	3900pF	50V	J
	C1508	QEH51EM-477M	E CAP.	470μF	25V	M
	C1509	QEH51VM-227M	E CAP.	220μF	35V	M
	C1510	QEZ0094-477R	E CAP.	470μF	35V	M
	C1511	QFM71HK-153MZ	M CAP.	0.015μF	50V	K
	C1512	QFM71HK-103MZ	M CAP.	0.01μF	50V	K
	C1521	QFM72AK-103M	M CAP.	0.01μF	100V	K
	C1522	QFM72AK-104M	M CAP.	0.1μF	100V	K
	C1528	QET61HR-335Z	E CAP.	3.3μF	50V	R
⚠	C1531	QFZ0082-501S	MPP CAP.	500pF	1600V	J
⚠	C1532	QFZ0081-5301S	MPP CAP.	5300pF	1600V	±3%
⚠	C1533	QFZ0081-4501S	MPP CAP.	4500pF	1600V	±3%
⚠	C1534	QFM72DK-472M	M CAP.	4700pF	200V	K
⚠	C1536	QFZ0091-355S	MPP CAP.	3.5μF	160V	K
⚠	C1537	QFZ0081-1002S	PP CAP.	0.01μF	1600V	±3%
⚠	C1538	QFZ0081-1102S	MPP CAP.	0.011μF	1600V	±3%
	C1539	QET52AR-227	E CAP.	220μF	100V	R
	C1543	QFM72AK-103M	M CAP.	0.01μF	100V	K
	C1545	QET51CR-227	E CAP.	220μF	16V	R
	C1552	QFM72DK-103M	M CAP.	0.01μF	200V	K
	C1557	QEN52AM-336	BP E CAP.	33μF	100V	M
	C1562	QCS32HJ-680A	C CAP.	68pF	500V	J
	C1563	QET52CR-475	E CAP.	4.7μF	160V	R
	C1564	QET52CR-106	E CAP.	10μF	160V	R
	C1565	QFP32DJ-563M	PP CAP.	0.056μF	200V	J
	C1571	QFM72DJ-224M	M CAP.	0.22μF	200V	J
	C1572	QET52AR-336	E CAP.	33μF	100V	R
	C1573	QET41ER-107	E CAP.	100μF	25V	R
	C1581	QFM71HK-103MZ	M CAP.	0.01μF	50V	K
	C1701	QET61CR-336Z	E CAP.	33μF	16V	R
	C1702	QET61CR-226Z	E CAP.	22μF	16V	R
	C1803	QFM71HK-473MZ	M CAP.	0.047μF	50V	K
	C1804	QFM71HK-473MZ	M CAP.	0.047μF	50V	K
	C1806	QCS31HJ-330MZ	C CAP.	33pF	50V	J
	C1807	QFM71HK-152MZ	M CAP.	1500pF	50V	K
	C1808	QFM71HJ-103MZ	M CAP.	0.01μF	50V	J
	C1809	QFM71HJ-103MZ	M CAP.	0.01μF	50V	J
	C1810	QET51ER-107	E CAP.	100μF	25V	R
	C1811	QFM71HK-102MZ	M CAP.	1000pF	50V	K
	C1812	QCS31HJ-681MZ	C CAP.	680pF	50V	J
	C1814	QFM71HJ-272MZ	M CAP.	2700pF	50V	J
	C1818	QCS31HJ-121M	C CAP.	120pF	50V	J
	C1825	QET51ER-336	E CAP.	33μF	25V	R
	TRANSFORMER					
	T1521	CE40361-001	HOR DRIVE TRANSF			
⚠	T1531	CE41043-00E	SIDE PIN TRANSF.			
	COIL					
	L1501	CELC002-400	CHOKE COIL	40μH		
	L1502	A04725-330	PEAKING COIL	330μH		
	L1503	A04725-330	PEAKING COIL	330μH		
⚠	L1532	CE40140-00L	WIDTH COIL			
⚠	L1533	CJ39719-00A	WIDTH COIL			

MA-1046A

SYMBOL NO.	PART NO.	PART NAME	REMARKS
	COIL		
⚠	L1534	CJ39712-00B	H LIN COIL
	L1561	A76186-1000Z	PEAKING COIL 1mH
	L1571	CJ30030-024	COIL 24μH
	DIODE		
	D1001	1S2473H-Y	SI. DIODE
	D1002	1S2473H-Y	SI. DIODE
	D1003	1SS133-Y	SI. DIODE
	D1004	1SS133-Y	SI. DIODE
	D1006	RD6.8E (B2)	ZENER DIODE
	D1053	1SS133-Y	SI. DIODE
	D1055	RD10E (B)	ZENER DIODE
	D1401	MA4110 (M) -Y	ZENER DIODE
	D1402	1SR124-400-K	SI. DIODE
	D1403	1SR124-400-K	SI. DIODE
	D1404	MA4300 (M) -Y	ZENER DIODE
	D1405	05AZ7.5	ZENER DIODE
	D1511	MA4110 (M) -Y	ZENER DIODE
	D1521	1SS133-Y	SI. DIODE
	D1531	RU4DS-LFK2	SI DIODE
	D1543	1SS133-Y	SI. DIODE
	D1544	1SS133-Y	SI. DIODE
	D1546	RD3.3E (B2)	ZENER DIODE
	D1552	RG4C-LFK2	SI DIODE
	D1556	RU3A	SI. DIODE
	D1561	1SS146-Y	SI. DIODE
	D1562	1SR124-400-K	SI. DIODE
	D1563	MA4062 (M) -Y	ZENER DIODE
	D1566	1SS146-Y	SI. DIODE
	D1571	U19E	SI. DIODE
	D1572	U19E	SI. DIODE
	D1581	MA4220 (M) -Y	ZENER DIODE
⚠	D1701	RD5.6ES (B3)	ZENER DIODE
	D1801	RD15E (B)	ZENER DIODE
	D1802	RD15E (B)	ZENER DIODE
	D1803	1SS133-Y	SI. DIODE
	D1804	1SS133-Y	SI. DIODE
	D1805	RD18E (B3)	ZENER DIODE
	D1806	RD18E (B3)	ZENER DIODE
	D1807	RD18E (B3)	ZENER DIODE
	D1808	RD18E (B3)	ZENER DIODE
	D1809	RD18E (B3)	ZENER DIODE
	D1812	1SS133-Y	SI. DIODE
	TRANSISTOR		
	Q1001	2SC1959 (Y)	SI. TRANSISTOR
	Q1002	2SA1015 (Y, GR) L	SI. TRANSISTOR
	Q1003	2SA1015 (Y, GR) L	SI. TRANSISTOR
	Q1054	2SC1959	SI. TRANSISTOR
	Q1055	2SC1959	SI. TRANSISTOR
	Q1056	2SC1959	SI. TRANSISTOR
	Q1102	2SC1906	SI. TRANSISTOR
	Q1103	2SC1906	SI. TRANSISTOR
	Q1104	2SC1906	SI. TRANSISTOR
	Q1202	2SC1906	SI. TRANSISTOR
	Q1203	2SC1906	SI. TRANSISTOR
	Q1204	2SC1906	SI. TRANSISTOR
	Q1302	2SC1906	SI. TRANSISTOR
	Q1303	2SC1906	SI. TRANSISTOR
	Q1304	2SC1906	SI. TRANSISTOR

MA 1046A

SYMBOL NO.	PART NO.	PART NAME	REMARKS
TRANSISTOR			
Q1401	2SD982	SI. TRANSISTOR	
Q1451	2SC1890A (E, F)	SI. TRANSISTOR	
Q1521	2SA564	SI. TRANSISTOR	
Q1522	2SD789 (B)	SI. TRANSISTOR	
Q1523	2SK301 (P)	F E T	
⚠ Q1531	2SD1433	SI. TRANSISTOR	
Q1542	2SC1959	SI. TRANSISTOR	
Q1543	2SC1815 (Y, GR) L	SI. TRANSISTOR	
Q1544	2SC1815 (Y, GR) L	SI. TRANSISTOR	
Q1551	2SD866B	SI. TRANSISTOR	
Q1553	2SK301 (P)	F E T	
Q1561	2SC1890A (E, F)	SI. TRANSISTOR	
Q1562	2SD982	SI. TRANSISTOR	
Q1563	2SC2230A	SI. TRANSISTOR	
Q1801	2SC1959 (Y)	SI. TRANSISTOR	
Q1802	2SC1959 (Y)	SI. TRANSISTOR	
Q1809	2SC1959	SI. TRANSISTOR	
IC			
IC1001	AN5355	I. C.	RGB AMP&SW
IC1002	TA78L012AP	I. C.	12V REGULATOR
IC1051	SN74LS367AN	I. C. (M)	BUFFER
IC1052	TC4066BP	I. C.	16/64 COLOR SW
IC1053	SN74LS138N	I. C. (M)	BROWN MATRIX
IC1054	SN74LS367AN	I. C. (M)	MATRIX
IC1055	AN7805	I. C.	5V REGULATOR
IC1421	AN5515	I. C.	V. OUT
IC1501	HA11235	I. C.	V. H. OSC&H. AFC
IC1701	UPC358C	I. C.	X RAY PROTECTOR
IC1801	TC4030BP	I. C.	PULSE WAVE FORMER
IC1802	TC4528BP	I. C.	PULSE WAVE FORMER
IC1803	TC4528BP	I. C.	fH MODE SWITCH
OTHERS			
DA1001	DAN601	DIODE ARRAY	
DA1002	DAP601	DIODE ARRAY	
J1051	CH41187-009SL	D SUB 9S	
RA1002	QRB068J-331	RESISTOR BLOCK	
RY1502	CESK004-001	RELAY	
RY1503	CESK004-001	RELAY	
SW1001	QSS1A22-C03	SWITCH	SERVICE SW
SW1801	QSL4A13-C02	LEVER SWITCH	H. FREQ. SW

MA-3011A (CRT SOCKET P,B, ASSY)

SYMBOL NO.	PART NO.	PART NAME	REMARKS
RESISTOR			
R3114	QRD143J-152SX	C R	1.5kΩ 1/4W J
R3115	QRD161J-271Y	C R	270 Ω 1/6W J
R3116	QRD143J-101SX	C R	100 Ω 1/4W J
R3117	QRD123J-151SX	C R	150 Ω 1/2W J
R3118	QRD161J-101Y	C R	100 Ω 1/6W J
R3119	QRD161J-332Y	C R	3.3kΩ 1/6W J
R3120	QRG029J-561A	OM R	560 Ω 2W J
R3121	QRZ0069-122	UNF R	1.2kΩ 5W K
R3122	QRD161J-271Y	C R	270 Ω 1/6W J
R3123	QRD161J-563Y	C R	56kΩ 1/6W J
R3181	QRC122K-271	COMP. R	270 Ω 1/2W K
R3214	QRD143J-152SX	C R	1.5kΩ 1/4W J
R3215	QRD161J-271Y	C R	270 Ω 1/6W J
R3216	QRD143J-101SX	C R	100 Ω 1/4W J
R3217	QRD121J-151SY	C R	150 Ω 1/2W J
R3218	QRD161J-820Y	C R	82 Ω 1/6W J
R3219	QRD161J-332Y	C R	3.3kΩ 1/6W J
R3220	QRG029J-561A	OM R	560 Ω 2W J
R3221	QRZ0069-122	UNF R	1.2kΩ 5W K
R3222	QRD161J-271Y	C R	270 Ω 1/6W J
R3223	QRD161J-563Y	C R	56kΩ 1/6W J
R3281	QRC122K-271	COMP. R	270 Ω 1/2W K
R3314	QRD143J-152SX	C R	1.5kΩ 1/4W J
R3315	QRD161J-271Y	C R	270 Ω 1/6W J
R3316	QRD141J-101SY	C R	100 Ω 1/4W J
R3317	QRD123J-151SX	C R	150 Ω 1/2W J
R3318	QRD161J-101Y	C R	100 Ω 1/6W J
R3319	QRD161J-272Y	C R	2.7kΩ 1/6W J
R3320	QRG029J-561A	OM R	560 Ω 2W J
R3321	QRZ0069-122	UNF R	1.2kΩ 5W K
R3322	QRD161J-271Y	C R	270 Ω 1/6W J
R3323	QRD161J-563Y	C R	56kΩ 1/6W J
R3381	QRC122K-271	COMP. R	270 Ω 1/2W K
R3581	QRC122K-471	COMP. R	470 Ω 1/2W K
CAPACITOR			
C3081	QEH51EM-107M	E CAP.	100μF 25V M
C3107	QFM71HK-473M	M CAP.	0.047μF 50V K
C3108	QCS31HJ-560A	C CAP.	56pF 50V J
C3109	QCS31HJ-101AZ	C CAP.	100pF 50V J
C3207	QFM71HK-473M	M CAP.	0.047μF 50V K
C3208	QCS31HJ-560A	C CAP.	56pF 50V J
C3209	QCS31HJ-121AZ	C CAP.	120pF 50V J
C3307	QFM71HK-473M	M CAP.	0.047μF 50V K
C3308	QCS31HJ-680A	C CAP.	68pF 50V J
C3309	QCS31HJ-820AZ	C CAP.	82pF 50V J
C3331	QET52CR-336	E CAP.	33μF 160V R
C3581	QCZ9016-103A	C CAP.	0.01μFAC125V M
COIL			
L3101	A76186-3.3Z	PEAKING COIL	3.3μH
L3102	A76186-8.2Z	PEAKING COIL	8.2μH
L3201	A76186-3.3Z	PEAKING COIL	3.3μH
L3202	A76186-8.2Z	PEAKING COIL	8.2μH
L3301	A76186-3.3Z	PEAKING COIL	3.3μH
L3302	A76186-8.2Z	PEAKING COIL	8.2μH
DIODE			
D3101	RD20EB-Y	ZENER DIODE	
D3201	RD20EB	ZENER DIODE	

MA-3011A

SYMBOL NO.	PART NO.	PART NAME	REMARKS
DIODE			
D3301	RD20EB	ZENER DIODE	
D3563	1SR124-400-FV	SI DIODE	
D3564	1SR124-400-FV	SI DIODE	
TRANSISTOR			
Q3105	2SA844 (C)	SI. TRANSISTOR	
Q3107	2SC3946	SI. TRANSISTOR	
Q3108	2SC1360	SI. TRANSISTOR	
Q3205	2SA844 (C)	SI. TRANSISTOR	
Q3207	2SC3946	SI. TRANSISTOR	
Q3208	2SC1360	SI. TRANSISTOR	
Q3305	2SA844 (C)	SI. TRANSISTOR	
Q3307	2SC3946	SI. TRANSISTOR	
Q3308	2SC1360	SI. TRANSISTOR	
OTHERS			
⚠	A75522-C	CRT SOCKET	
SG3181	A75257-B	ARRESTOR	
SG3281	A75257-B	ARRESTOR	
SG3381	A75257-B	ARRESTOR	
SG3581	A75257-B	ARRESTOR	

MA-4016A (CONTROL P,B, ASSY)

SYMBOL NO.	PART NO.	PART NAME	REMARKS
VARIABLE R			SUB H.HOLD H.HOLD H.POSITION SUB H.POSITION V.HOLD V.SIZE1 V.SIZE2 V.LIN.
R4001	QVAZ008-C006A	V R	500Ω B (V. POSITION)
R4002	CEX40363-052	V R	5kΩ B (BRIGHTNESS)
R4013	CEX40207-B53M	V R	1kΩ B (CONTRAST)
R4019	CEX40208-B13M	V R	
RESISTOR			
R4006	QRD142J-181S	C R	180 Ω 1/4W J
R4007	QRD142J-103S	C R	10kΩ 1/4W J
R4008	QRD142J-103S	C R	10kΩ 1/4W J
R4010	QRD142J-181S	C R	180 Ω 1/4W J
R4022	QRD162J-222	C R	2.2kΩ 1/6W J
R4080	QRD142J-681S	C R	680 Ω 1/4W J
R4081	QRD142J-682S	C R	6.8kΩ 1/4W J
CAPACITOR			
C4001	QFM71HK-392M	M CAP.	3900pF 50V K
C4002	QFM71HJ-273M	M CAP.	0.027μF 50V J
COIL			
L4001	A76186-1000	PEAKING COIL	1mH
DIODE			
D4001	1S1555	SI. DIODE	
D4080	GL5PG23	L E D	POWER INDICATOR
TRANSISTOR			
Q4001	2SC1959 (Y)	SI. TRANSISTOR	
Q4002	2SC1959 (Y)	SI. TRANSISTOR	
OTHERS			
RY4001	CESK003-001	RELAY	

MA-9113B (POWER P.B. ASSY)

	SYMBOL NO.	PART NO.	PART NAME	REMARKS
	VARIABLE R			
	R9920	QVP5A0B-015E	V R	100kΩ B (B1 ADJ.)
	RESISTOR			
	R9902	QRG039J-473A	OM R	47kΩ 3W J
⚠	R9904	QRF076J-100	UNF R	10 Ω 7W J
	R9905	QRM055K-R22	MP R	0.22 Ω 5W K
	R9906	QRM055K-R47	MP R	0.47 Ω 5W K
	R9907	QRG026J-104A	OM R	100kΩ 2W J
	R9908	QRC122K-104	COMP. R	100kΩ 1/2W K
	R9909	QRD122J-394S	C R	390kΩ 1/2W J
	R9910	QRD122J-394S	C R	390kΩ 1/2W J
	R9911	QRZ0069-472	UNF R	4.7kΩ 5W K
	R9912	QRD142J-103S	C R	10kΩ 1/4W J
	R9913	QRG029J-220A	OM R	22 Ω 2W J
	R9915	QRD142J-472S	C R	4.7kΩ 1/4W J
	R9916	QRD142J-392S	C R	3.9kΩ 1/4W J
	R9917	QRD142J-152S	C R	1.5kΩ 1/4W J
	R9918	QRD141J-471S	C R	470 Ω 1/4W J
	R9921	QRD122J-473S	C R	47kΩ 1/2W J
	R9922	QRC122K-104	COMP. R	100kΩ 1/2W K
⚠	R9924	QRV142F-5601	MF R	5.6kΩ 1/4W F
	R9930	QRD122J-561S	C R	560 Ω 1/2W J
	R9931	QRD122J-151S	C R	150 Ω 1/2W J
	R9932	QRM055K-R47	MP R	0.47 Ω 5W K
	CAPACITOR			
⚠	C9901	QFZ9022-224M	MF CAP.	0.22μFAC250V M
⚠	C9902	QFZ9022-224M	MF CAP.	0.22μFAC250V M
⚠	C9903	QCZ9025-472A	C CAP.	4700pFAC400V Z
⚠	C9904	QCZ9025-472A	C CAP.	4700pFAC400V Z
⚠	C9905	QCZ9025-472A	C CAP.	4700pFAC400V Z
⚠	C9906	QCZ9025-472A	C CAP.	4700pFAC400V Z
⚠	C9907	QCZ9016-472A	C CAP.	4700pFAC400V M
⚠	C9908	QCZ9016-472A	C CAP.	4700pFAC400V M
⚠	C9909	QCZ9016-472A	C CAP.	4700pFAC400V M
⚠	C9910	QEZ0084-227R	E CAP.	220μF 400V M
	C9911	QEZ0084-227R	E CAP.	220μF 400V M
	C9912	QCY32HK-682A	C CAP.	6800pF 500V K
	C9913	QEH51AM-477M	E CAP.	470μF 10V M
	C9914	QEH52AM-107M	E CAP.	100μF 100V M
	C9915	QEH51EM-477M	E CAP.	470μF 25V M
	C9916	QFM71HK-332M	M CAP.	3300pF 50V K
	C9917	QFM71HK-332M	M CAP.	3300pF 50V K
	C9918	QEZ0094-108R	E CAP.	1000μF 35V M
	C9920	QEH51HM-475M	E CAP.	4.7μF 50V M
	C9922	QEZ0094-108R	E CAP.	1000μF 35V M
	C9924	QEH51HM-106M	E CAP.	10μF 50V M
	C9926	QCY42HK-562U	C CAP.	5600pF 500V K
	C9927	QEH51HM-476M	E CAP.	47μF 50V M
	C9928	QCY32HK-102M	C CAP.	1000pF 500V K
⚠	C9929	QCZ9036-332M	C CAP.	3300pFAC400V M
	C9931	QEH52AM-227M	E CAP.	220μF 100V M
	C9933	QFZ9022-224M	MF CAP.	0.22μFAC250V M
	TRANSFORMER			
⚠	T9901	CE40967-B0C	SW. TRANSF.	

MA-9113B

	SYMBOL NO.	PART NO.	PART NAME	REMARKS
	COIL			
	L9901	CE41169-001	PEAKING COIL	
	L9902	CELC002-470	CHOKE COIL	
	L9903	CJ30030-014	HEATER CHOKE	
	L9904	CJ30030-008	HEATER CHOKE	
	DIODE			
⚠	D9901	TVR4N	SI. DIODE	
⚠	D9902	TVR4N	SI. DIODE	
⚠	D9903	TVR4N	SI. DIODE	
⚠	D9904	TVR4N	SI. DIODE	
	D9905	RG2A	SI DIODE	
	D9907	RD10E (B)	ZENER DIODE	
	D9908	EG1Z	SI. DIODE	
	D9910	EG1Z	SI. DIODE	
	D9911	RG2A	SI DIODE	
⚠	D9912	SRP300G	SI DIODE	
	D9913	SRP300G	SI DIODE	
	D9914	SF5J42	THYRISTOR	
	D9915	HZ7A3L	ZENER DIODE	
	D9916	RL2Z	SI DIODE	
	D9917	EG1Z	SI. DIODE	
	D9918	EG1Z	SI. DIODE	
	TRANSISTOR			
⚠	Q9901	2SC3461	SI. TRANSISTOR	or 2SC3680
	Q9902	2SD1409	SI. TRANSISTOR	
	Q9903	2SC1815	SI. TRANSISTOR	
⚠	Q9904	2SC3461	SI. TRANSISTOR	or 2SC3680
⚠	Q9905	2SD1409	SI. TRANSISTOR	
	Q9906	2SD866	SI. TRANSISTOR	
	IC			
⚠	IC9901	SI-8100D	I. C.	POWER REGULATOR
	OTHERS			
	CP9901	ICP-N25	IC PROTECTOR	
⚠	F9901	QMF51E2-4R0S	FUSE	4A
⚠	LF9901	CE41010-00A	LINE FILTER	
⚠	NF01	CE40811-00H	NOISE FILTER	
⚠	TH9901	A76038	W POSISTOR	or A76038-T

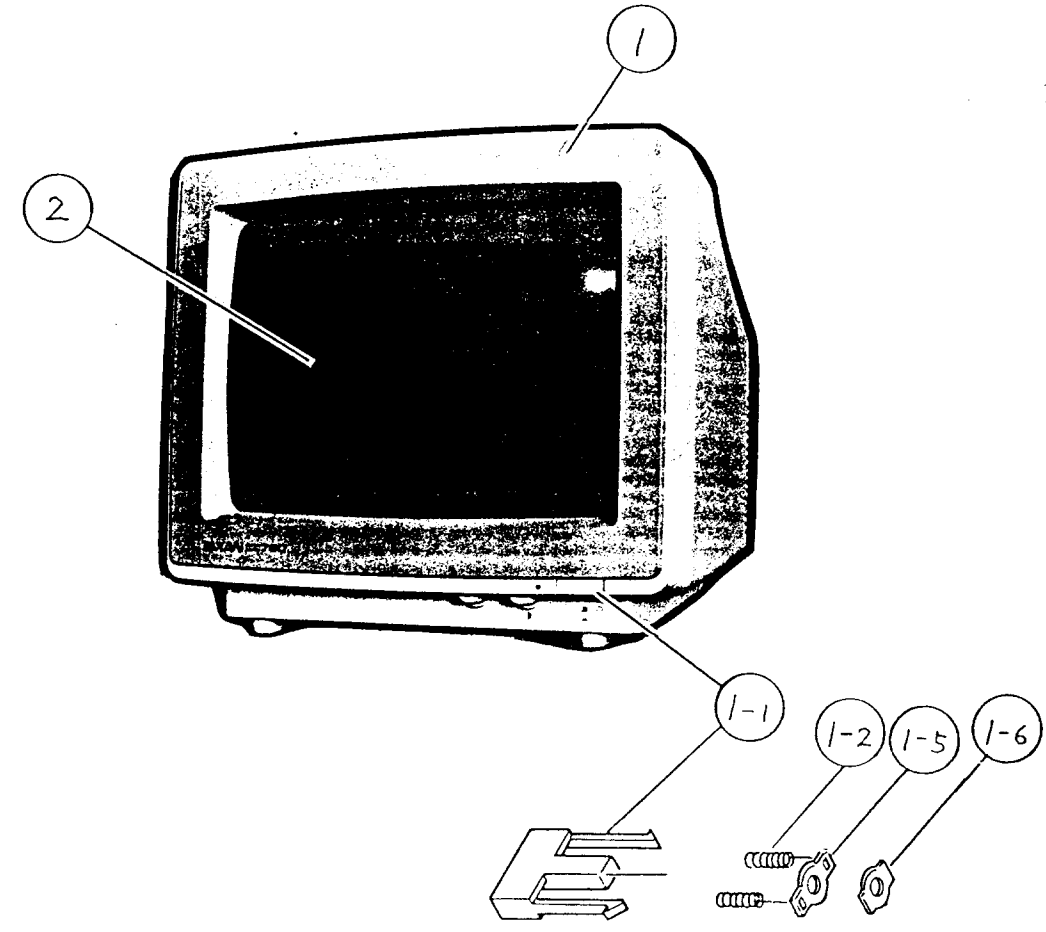
MA-9113A (POWER P.B. ASSY)

	SYMBOL NO.	PART NO.	PART NAME	REMARKS
	VARIABLE R			
	R9920	QVP5A0B-015E	V R	100kΩ B (B1 ADJ.)
	RESISTOR			
	R9902	QRG039J-473A	OM R	47kΩ 3W J
⚠	R9904	QRF076J-100	UNF R	10 Ω 7W J
	R9905	QRM055K-R22	MP R	0.22 Ω 5W K
	R9906	QRM055K-R47	MP R	0.47 Ω 5W K
	R9907	QRG026J-104A	OM R	100kΩ 2W J
	R9908	QRC122K-104	COMP. R	100kΩ 1/2W K
	R9909	QRD122J-394S	C R	390kΩ 1/2W J
	R9910	QRD122J-394S	C R	390kΩ 1/2W J
	R9911	QRZ0069-472	UNF R	4.7kΩ 5W K
	R9912	QRD142J-103S	C R	10kΩ 1/4W J
	R9913	QRG029J-220A	OM R	22 Ω 2W J
	R9915	QRD142J-472S	C R	4.7kΩ 1/4W J
	R9916	QRD142J-392S	C R	3.9kΩ 1/4W J
	R9917	QRD142J-152S	C R	1.5kΩ 1/4W J
	R9918	QRD141J-471S	C R	470 Ω 1/4W J
	R9921	QRD122J-473S	C R	47kΩ 1/2W J
	R9922	QRC122K-104	COMP. R	100kΩ 1/2W K
⚠	R9924	QRV142F-5601	MF R	5.6kΩ 1/4W F
	R9930	QRD122J-561S	C R	560 Ω 1/2W J
	R9931	QRD122J-151S	C R	150 Ω 1/2W J
	R9932	QRM055K-R47	MP R	0.47 Ω 5W K
	CAPACITOR			
⚠	C9901	QFZ9022-224M	MF CAP.	0.22μFAC250V M
⚠	C9902	QFZ9022-224M	MF CAP.	0.22μFAC250V M
⚠	C9903	QCZ9025-472A	C CAP.	4700pFAC400V Z
⚠	C9904	QCZ9025-472A	C CAP.	4700pFAC400V Z
⚠	C9905	QCZ9025-472A	C CAP.	4700pFAC400V Z
⚠	C9906	QCZ9025-472A	C CAP.	4700pFAC400V Z
⚠	C9907	QCZ9016-472A	C CAP.	4700pFAC400V M
⚠	C9908	QCZ9016-472A	C CAP.	4700pFAC400V M
⚠	C9909	QCZ9016-472A	C CAP.	4700pFAC400V M
⚠	C9910	QEZ0084-227R	E CAP.	220μF 400V M
	C9911	QEZ0084-227R	E CAP.	220μF 400V M
	C9912	QCY32HK-682A	C CAP.	6800pF 500V K
	C9913	QEH51AM-477M	E CAP.	470μF 10V M
	C9914	QEH52AM-107M	E CAP.	100μF 100V M
	C9915	QEH51EM-477M	E CAP.	470μF 25V M
	C9916	QFM71HK-332M	M CAP.	3300pF 50V K
	C9917	QFM71HK-332M	M CAP.	3300pF 50V K
	C9918	QEZ0094-108R	E CAP.	1000μF 35V M
	C9920	QEH51HM-475M	E CAP.	4.7μF 50V M
	C9922	QEZ0094-108R	E CAP.	1000μF 35V M
	C9924	QEH51HM-106M	E CAP.	10μF 50V M
	C9926	QCY42HK-562U	C CAP.	5600pF 500V K
	C9927	QEH51HM-476M	E CAP.	47μF 50V M
	C9928	QCY32HK-102M	C CAP.	1000pF 500V K
⚠	C9929	QCZ9036-332M	C CAP.	3300pFAC400V M
	C9931	QEH52AM-227M	E CAP.	220μF 100V M
	C9932	QFZ9022-103M	MF CAP.	0.01μFAC250V M
	C9933	QFZ9022-224M	MF CAP.	0.22μFAC250V M
	TRANSFORMER			
⚠	T9901	CE40967-B0C	SW. TRANSF.	

MA-9113A

	SYMBOL NO.	PART NO.	PART NAME	REMARKS
	COIL			
	L9901	CE41169-001	PEAKING COIL	
	L9902	CELC002-470	CHOKE COIL	
	L9903	CJ30030-014	HEATER CHOKE	
	L9904	CJ30030-008	HEATER CHOKE	
	DIODE			
⚠	D9901	TVR4N	SI. DIODE	
⚠	D9902	TVR4N	SI. DIODE	
⚠	D9903	TVR4N	SI. DIODE	
⚠	D9904	TVR4N	SI. DIODE	
	D9905	RG2A	SI DIODE	
	D9907	RD10E (B)	ZENER DIODE	
	D9908	EG1Z	SI. DIODE	
	D9910	EG1Z	SI. DIODE	
	D9911	RG2A	SI DIODE	
⚠	D9912	SRP300G	SI DIODE	
	D9913	SRP300G	SI DIODE	
	D9914	SF5J42	THYRISTOR	
	D9915	HZ7A3L	ZENER DIODE	
	D9916	RL2Z	SI DIODE	
	D9917	EG1Z	SI. DIODE	
	D9918	EG1Z	SI. DIODE	
	TRANSISTOR			
⚠	Q9901	2SC3461	SI. TRANSISTOR	or 2SC3680
	Q9902	2SD1409	SI. TRANSISTOR	
	Q9903	2SC1815	SI. TRANSISTOR	
⚠	Q9904	2SC3461	SI. TRANSISTOR	or 2SC3680
⚠	Q9905	2SD1409	SI. TRANSISTOR	
	Q9906	2SD866	SI. TRANSISTOR	
	IC			
⚠	IC9901	SI-8100D	I. C.	POWER REGULATOR
	OTHERS			
	CP9901	ICP-N25	IC PROTECTOR	
⚠	F9901	QMF51E2-4R0S	FUSE	4A
⚠	LF9901	CE41010-00A	LINE FILTER	
⚠	NF01	CE40811-00H	NOISE FILTER	
⚠	TH9901	A76038	W POSISTOR	or A76038-T

VIEW No.	SYMBOL No.	⚠	PART No.	PART NAME	REMARK
1			CM10400-B01A-M0	Front Panel Assy	
1-①			CM32161-003	Power Knob	(within Front Panel Assy)
1-②			CM30861-013	Spring	〃
1-③			CM43279-003	LED Lens	〃
1-④			SBSB3010Z	Tap Screw	〃
1-⑤			CM43975-A01	Knob Plate	〃
1-⑥			CM44154-001	Knob Sheet	〃
2	V01	⚠	M34JPS82X	Picture Tube	
3	DY01	⚠	CJ26785-00B	Deflection Yoke	
4			CE40112-00A	P/C Magnet	
5			CH30302-00A	Braided Assy	
6	L01	⚠	CJ39691-00A	Degaussing Coil	
7			CE40764-00A	Wedge Assy	(×4)
8			CM10380-A05-M0	Bottom Base	
9			SBSB4016N	Tap Screw	(×5)
10			CM43271-002	Signal Sheet	
11			CM43272-B01	Terminal Sheet	
12	T01	⚠	CJ26858-00A	Flyback Transf.	
13			CJ40713-001	Focus Cover	
14			A46445	〃	
15			CM31415-008	Control Knob	(×2)
16	SW01	⚠	QSP4D21-C05	Push Switch	POWER
17			CM10379-014-M0	Rear Cover	
18			SBSB4016N	Tap Screw	(×7)
19			CM32329-002(R)	Roll R Label	SV-760B
〃			〃 -A01(R)	〃	SV-760E
〃			CM32333-001(R)	〃	SV-760EV
20			CM44097-002	Volt Label	SV-760B
〃			〃 -009	〃	SV-760E/EV
21	J1051		CH41187-009SL	D Sub 9	
22			CH40327-004	Retainer	
23			WLS3000N	Washer	
24	NF01	⚠	CE40811-00G	Noise Filter	SV-760B/E
〃	〃	⚠	〃 -00H	〃	SV-760EV
25	Q1531	⚠	2SD1433	Si Transistor	H. OUT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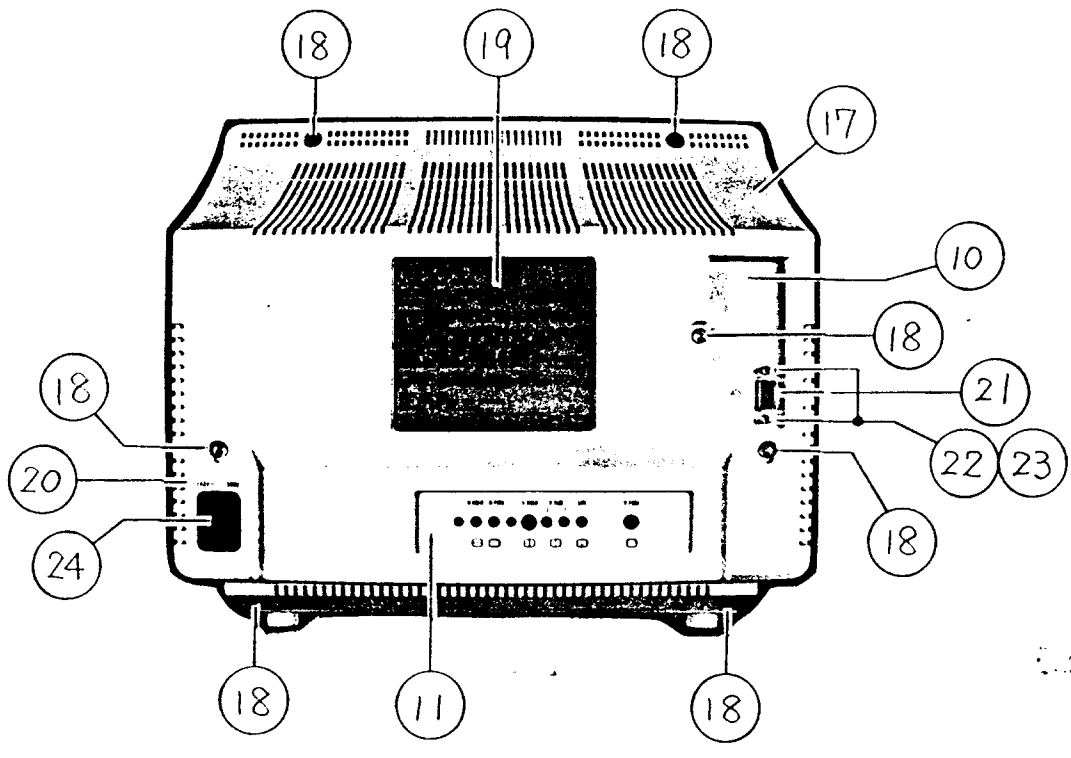
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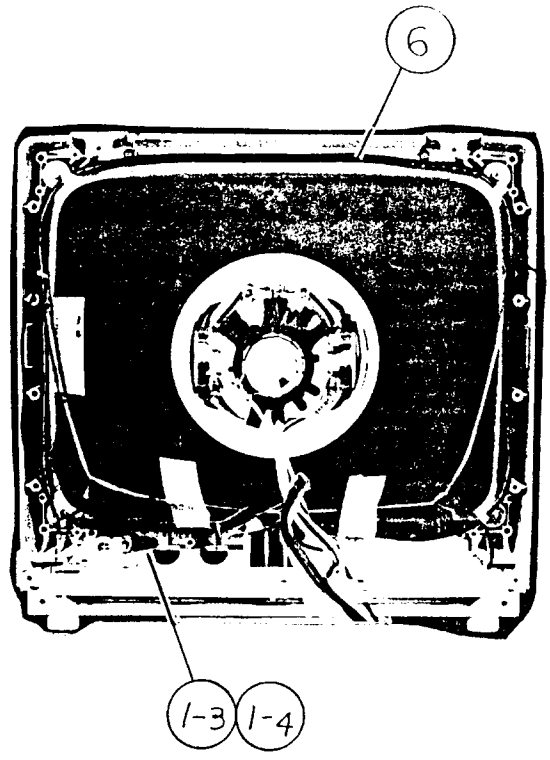
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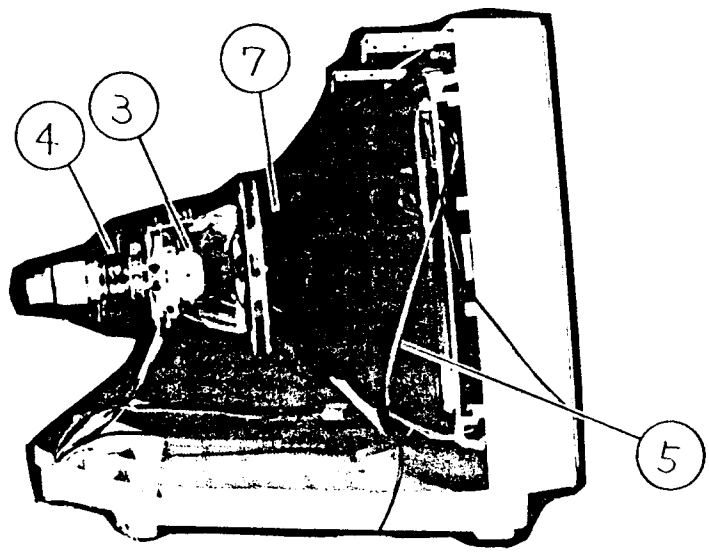
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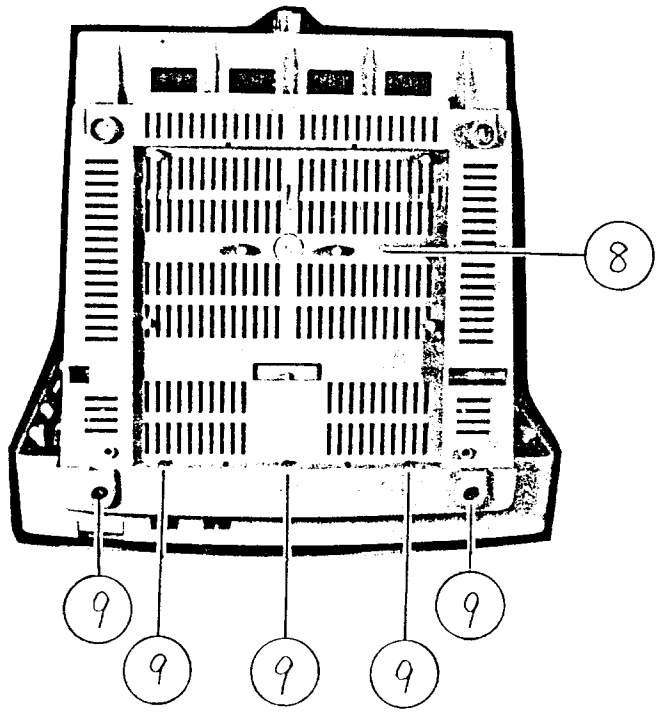
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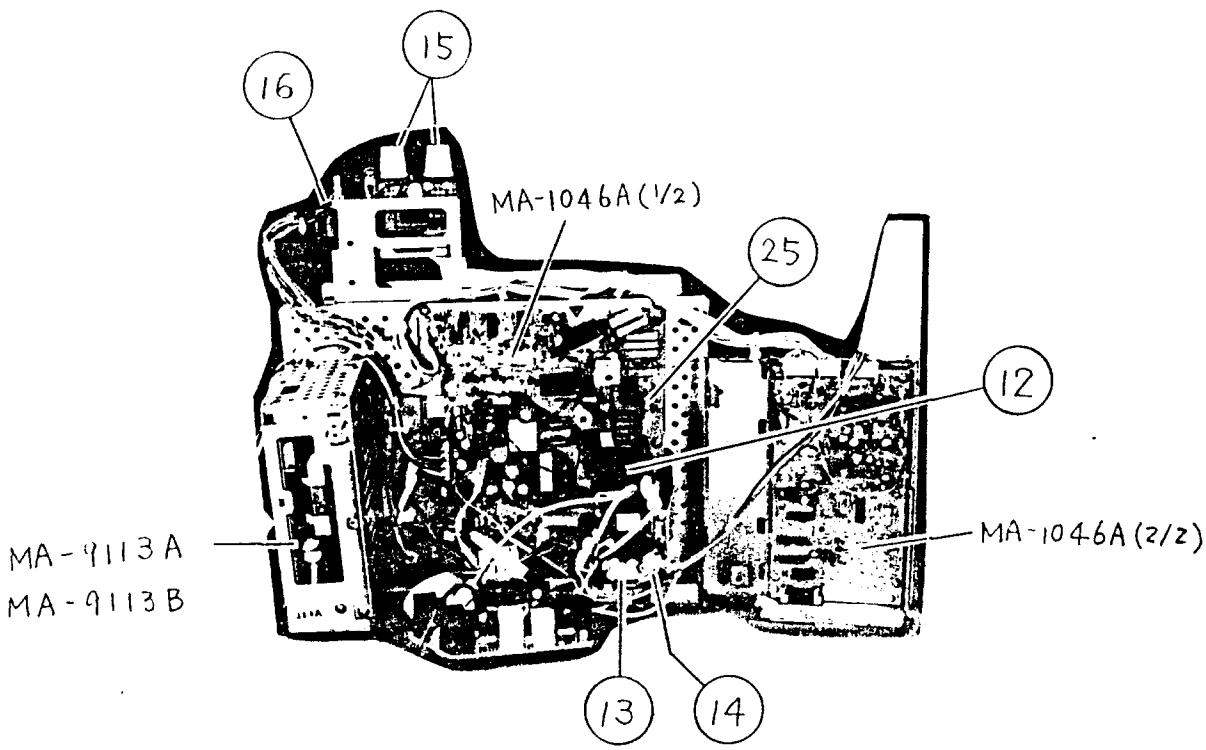
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MA-9113A
MA-9113B
MA-1046A (2/2)
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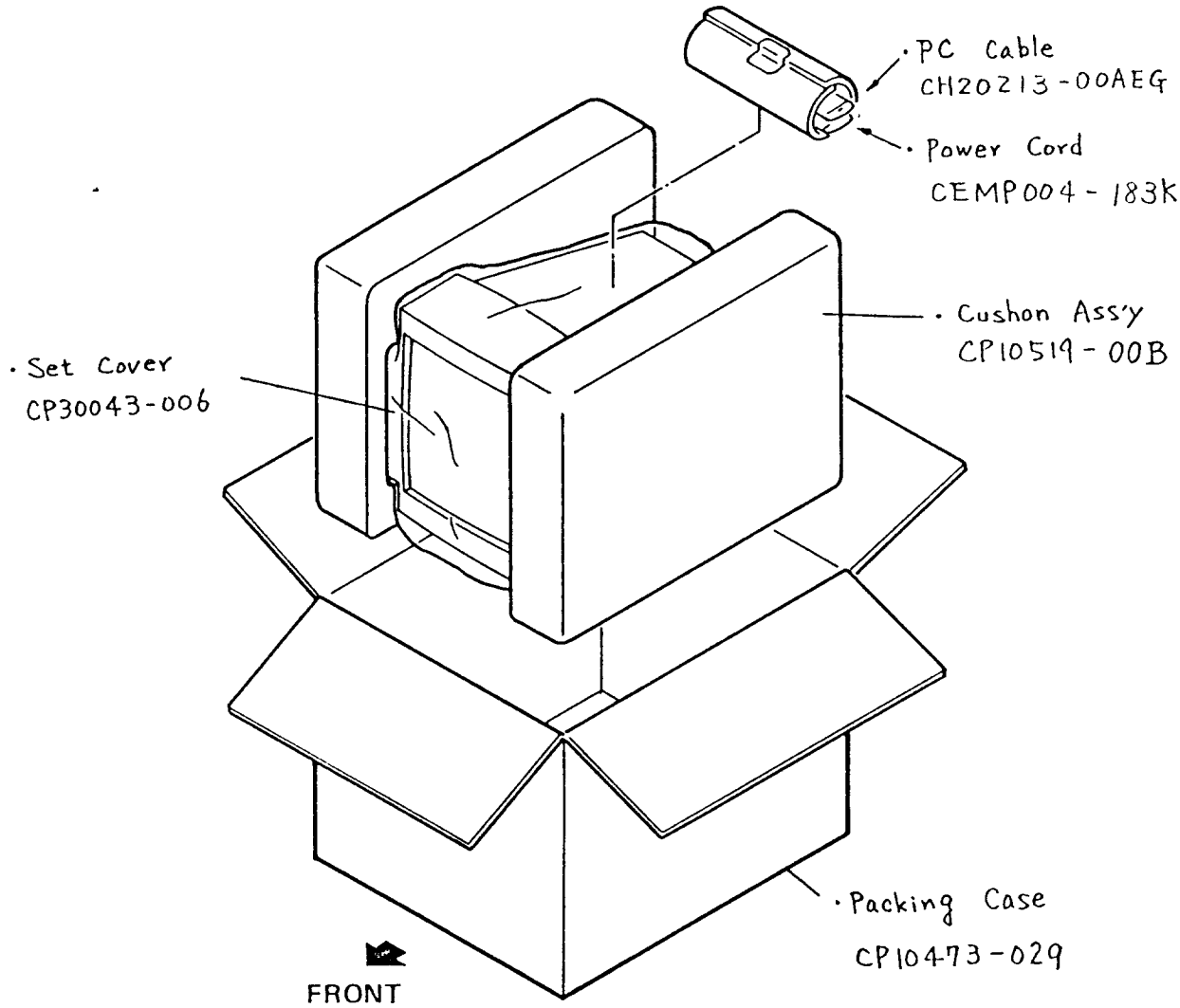
14

PACKING DIAGRAM



Inst. Book ··· SV 760-IB-C

Adj. Stick ···· CM44151-001

SCHEMATIC DIAGRAM MODEL SV-760B / SV-760E SV-760EV

■ SAFETY PRECAUTIONS

- The FR (⁻W⁻ FR) is a fusible resistor, thus possessing the function of a fuse. When replacing their fusible resistor or the safety-indicated parts (⚠) shown in the circuit diagrams, be sure to use correctly designated parts for safety.
  Also, to ensure safety and maintenance of designated performance, also use the specified items on other components.

■ INDICATED VOLTAGE AND WAVEFORMS

o Voltage/waveforms on respective components are indicated by actually measuring them with a tester or an oscilloscope through display color bar signals of sufficient sensitivity. The volume positions are set as a result of measurement under the condition of factory shipment. Since the signal systems present slightly fluctuating values depending on adjustment and other conditions, the indicated values should be used as reference values. All indicated values represent DC voltage.

Tester used for measuring
Internal resistance DC 20 kΩ/V
Oscilloscoape sweeping time
H → 20 μS/div
V → 5 mS/div
Others → Sweeping time is indicated

■ CIRCUIT DIAGRAM DISPLAY SYMBOLS

1. Resister
   o Resistance value
   When no unit is provided: [Ω]
   K: [kΩ]
   M: [MΩ]
   o Rated permissible power capacity
   When no display is made: 1/6 [W]
   Others: Display are provided
   o Resistor type

No type display:	Carbon resistor
OMR	:Oxidized metal film resistor
UNF	:Cement resistor
MFR	:Metal film resistor
FR	:Fusible resistor

   * Composition resistor 1/2 [W] is displayed as "1/2S" or "comp."

2. Capacitor
   o Capacity
   Over 1 [pF] Below 1 [μF]
   o Withstand voltage

No display	: DC 50 [V]
Others	: DC withstand voltage [V]
AC display	: AC withstand voltage [V]

   o Display of electrolytic capacitor is as follows.
   (Example)
   47/50 → Capacity [μF]/withstand voltage [V]
   o Capacitor type

No type display:	Ceramic capacitor
MY	: Mylar capacitor
MM	: Metallized Mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metallized polypropylene capacitor
NP	: Nonpolar electrolytic capacitor
BP	: Bipolar electrolytic capacitor
TANTAL	: Tantalum capacitor

3. Coil
   When no unit is displayed: [μF]
4. Power supply
   ——— : B1 Voltage
   — — — : B2 Voltage
   * Respective voltage values are indicated.
5. Test point & GND symbol
   ◎ : Test point of mini-GP pin
   ○ : Only test point display
   ⊥ : LIVE side ground
   ⏚ : NEUTRAL side ground
6. Connecting method
   □ : Connector
   o○ : Wrapping or soldering
   ⟶ : Receptacle

* Since the reference circuits are provided, the circuits configuration and/or constants are subject to change without prior notice to achieve further improvements.

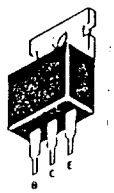
■ BASINGS OF TRANSISTORS & ICs

2SA564
2SA844(C)
2SA1015
2SC1815
2SC1890A(E,F)

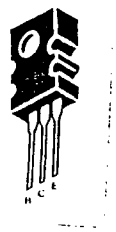
2SC1906
2SC1915
2SC1959(Y)

2SC1360
2SC2230A
2SD789(B)

2SK301(P)

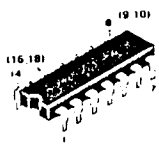


2SD866B
2SD982

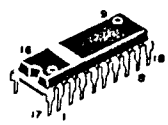


2SD1433

2SC3946

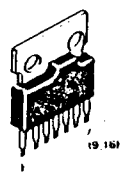


AN5355
SN74LS138N
SN74LS367AN
TC4030BP
TC4066BP
TC4528BP



HA11235

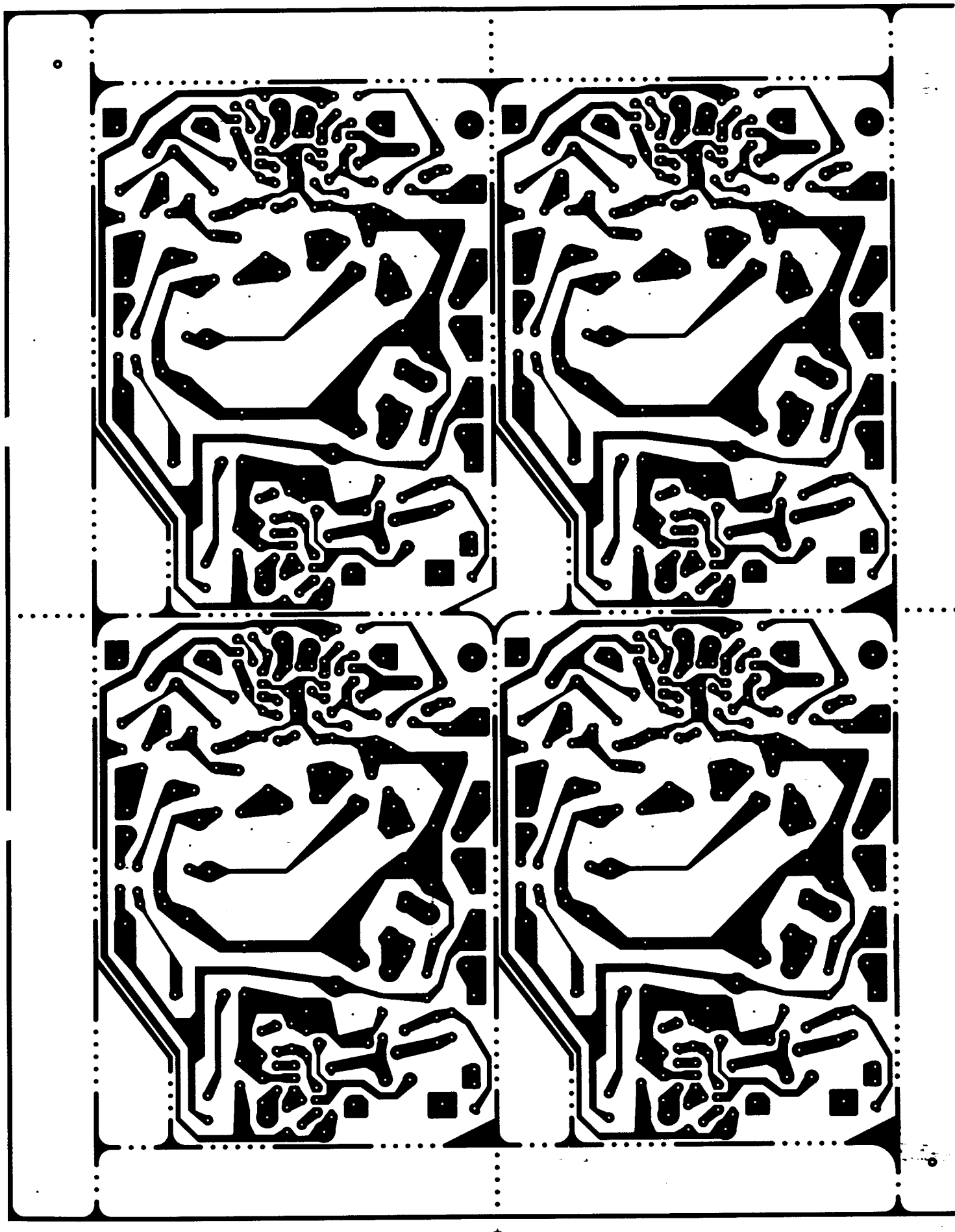
TA78L012AP

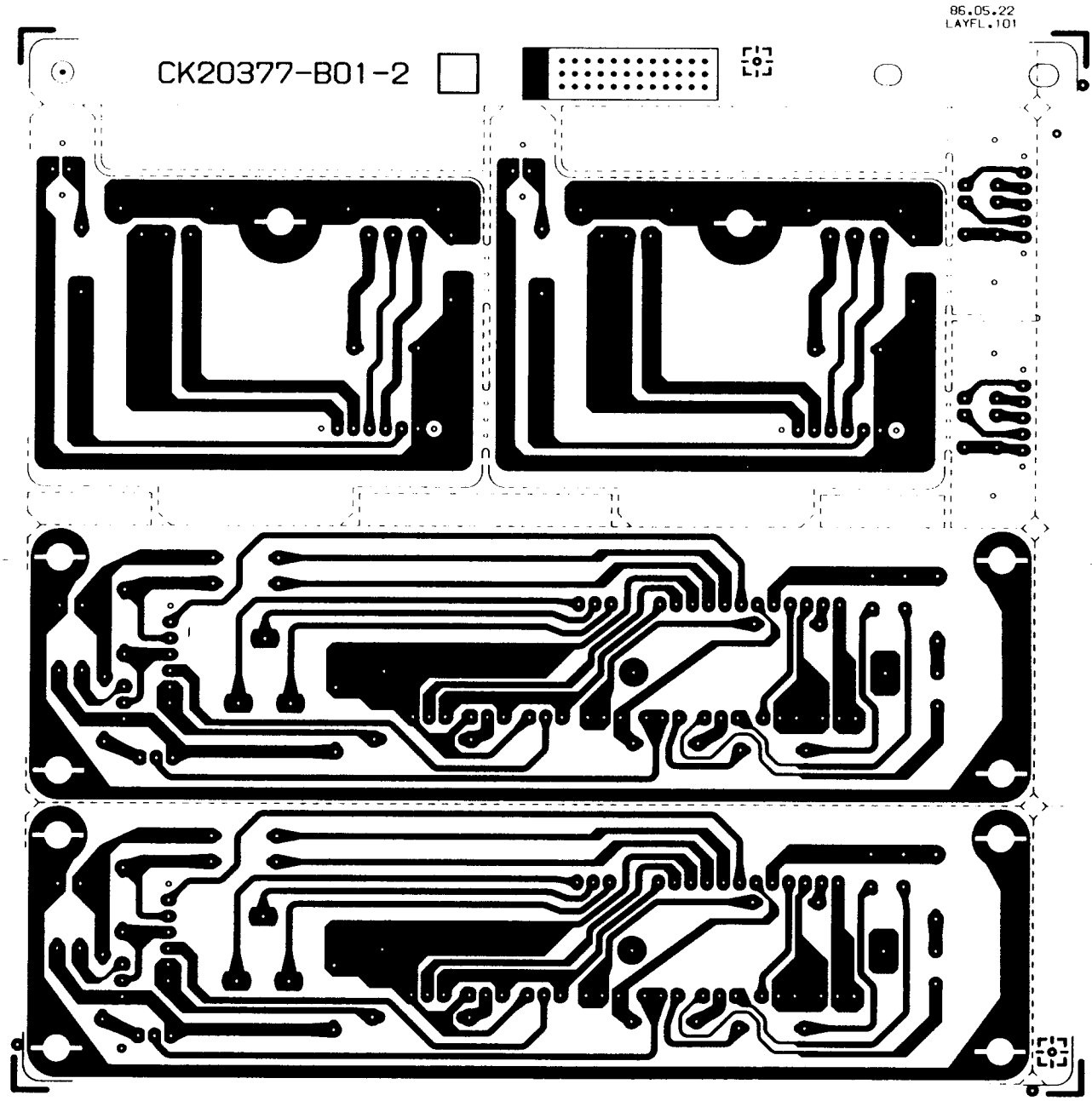


AN5515

μPC358C

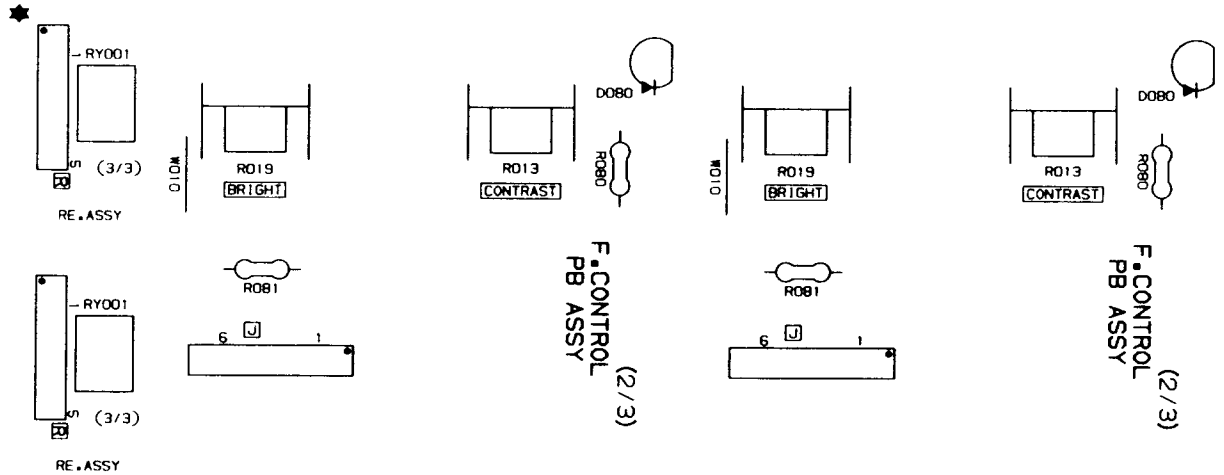
GCMK-81X
CK10383-B01
GREEN
RED
BLACK
BROWN
YELLOW
GRAY
WHITE
BLUE
ORANGE
TP-G
TP-R
TP-B
TP-BH
Q207
Q208
Q105
Q107
Q108
Q305
Q307
Q308
D201
D301
D563
D564
L201
L202
L101
L102
L301
L302
R581
SG581
SG281
SG381
SG181
W001
W002

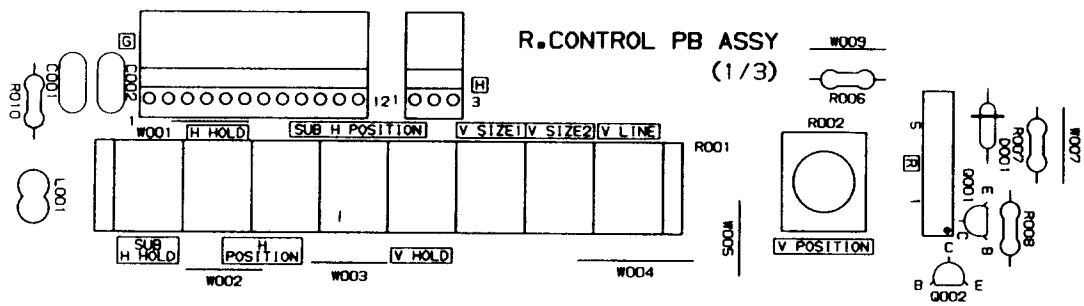


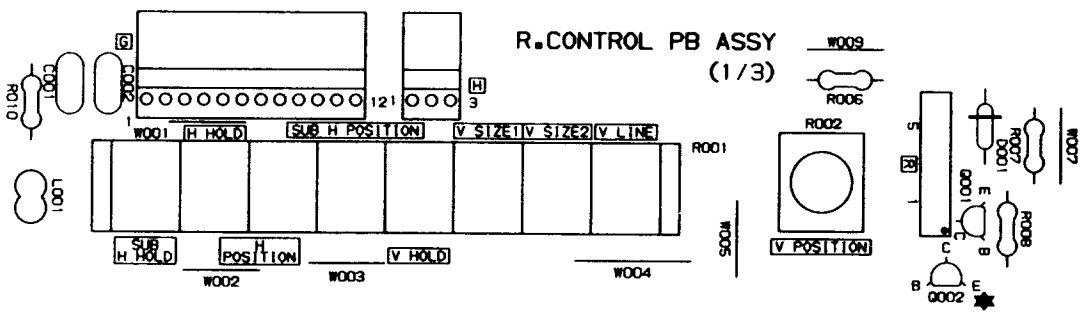

86.05.22
LAYFL.101
CK20377-B01-2

86.05.22
LAYFL.101

CK20377-B01-2

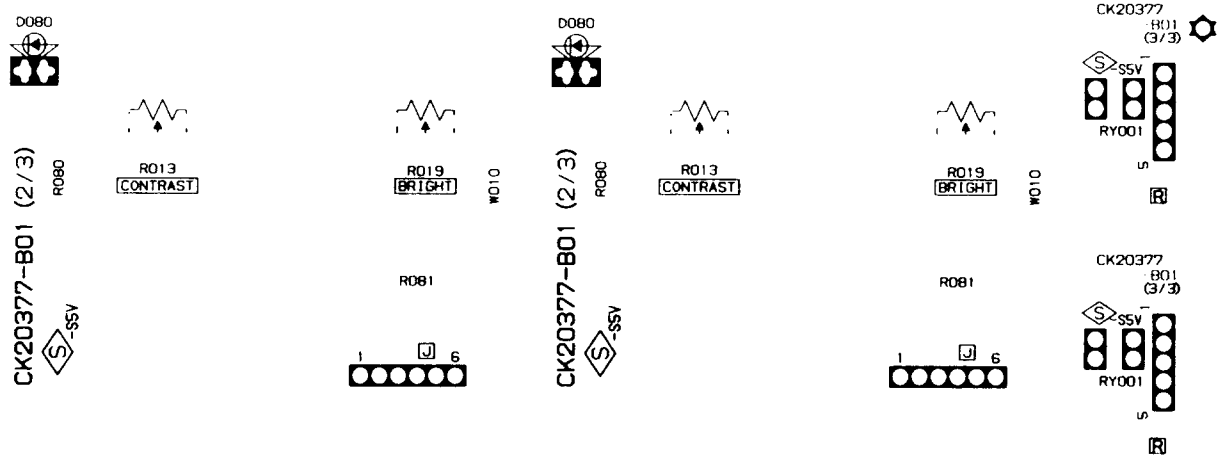


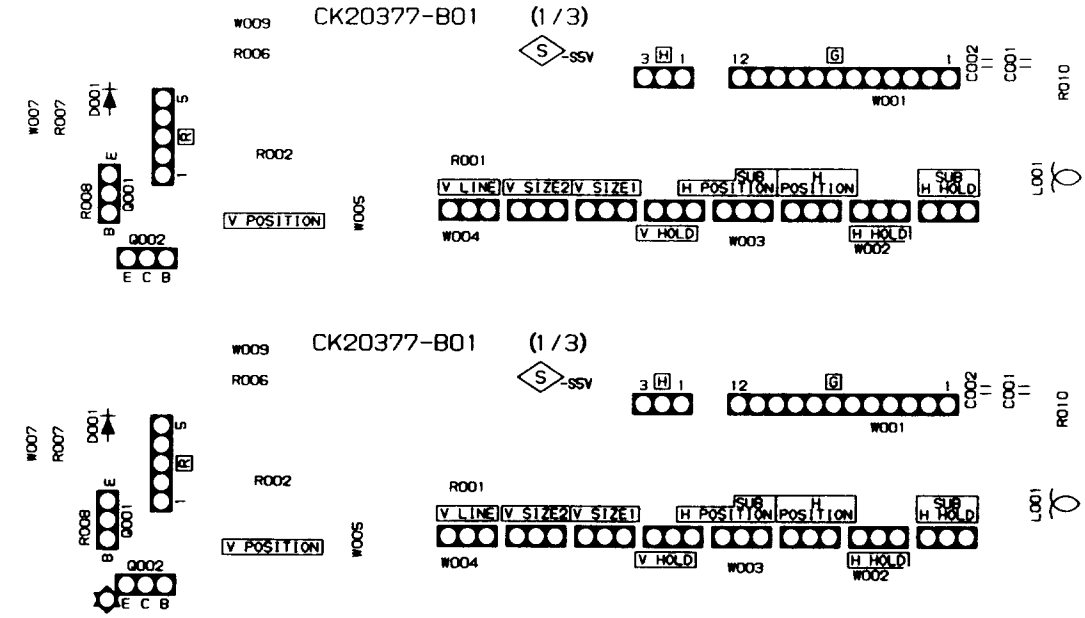




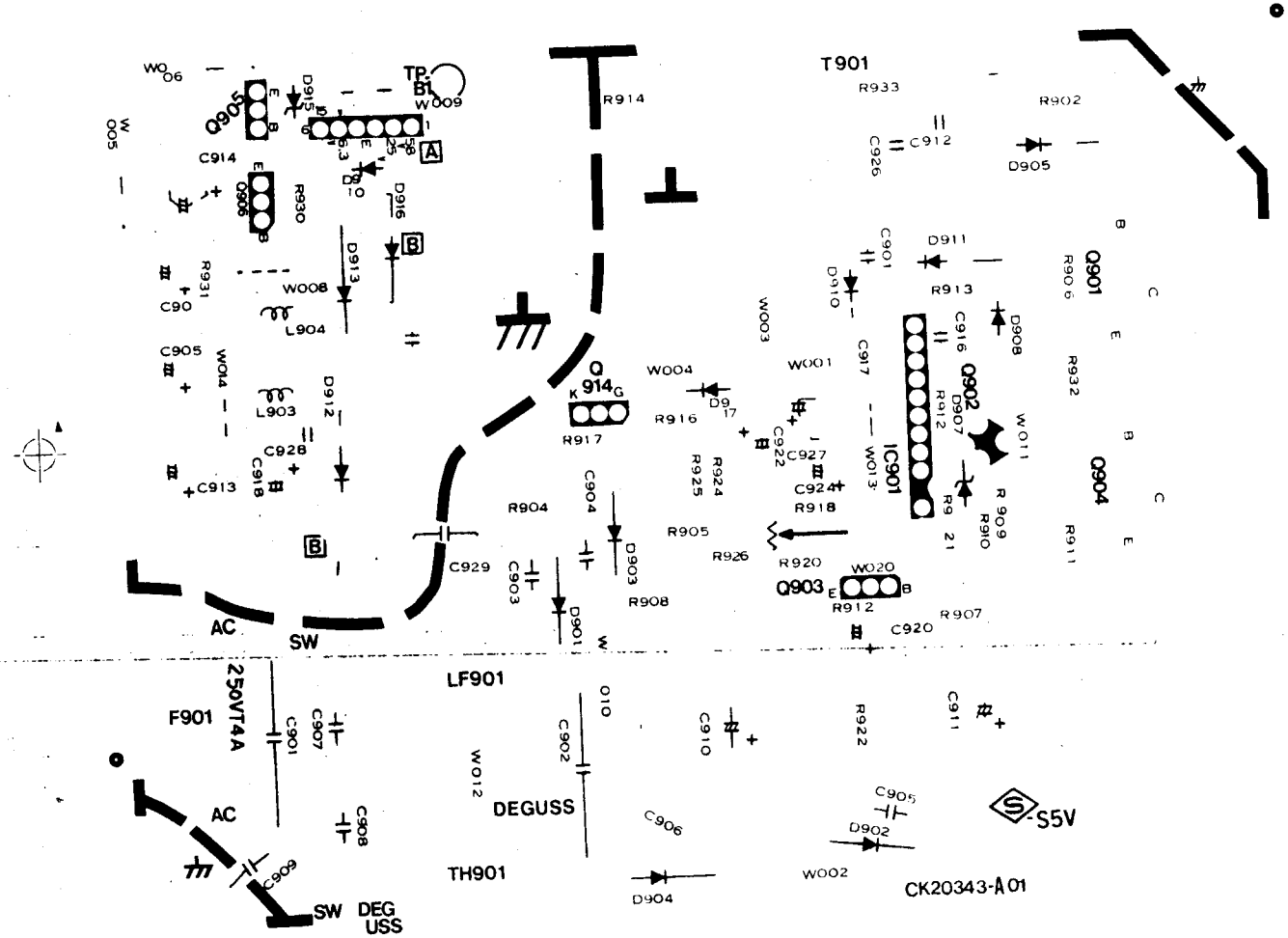
86.05.22
LAYFL.101

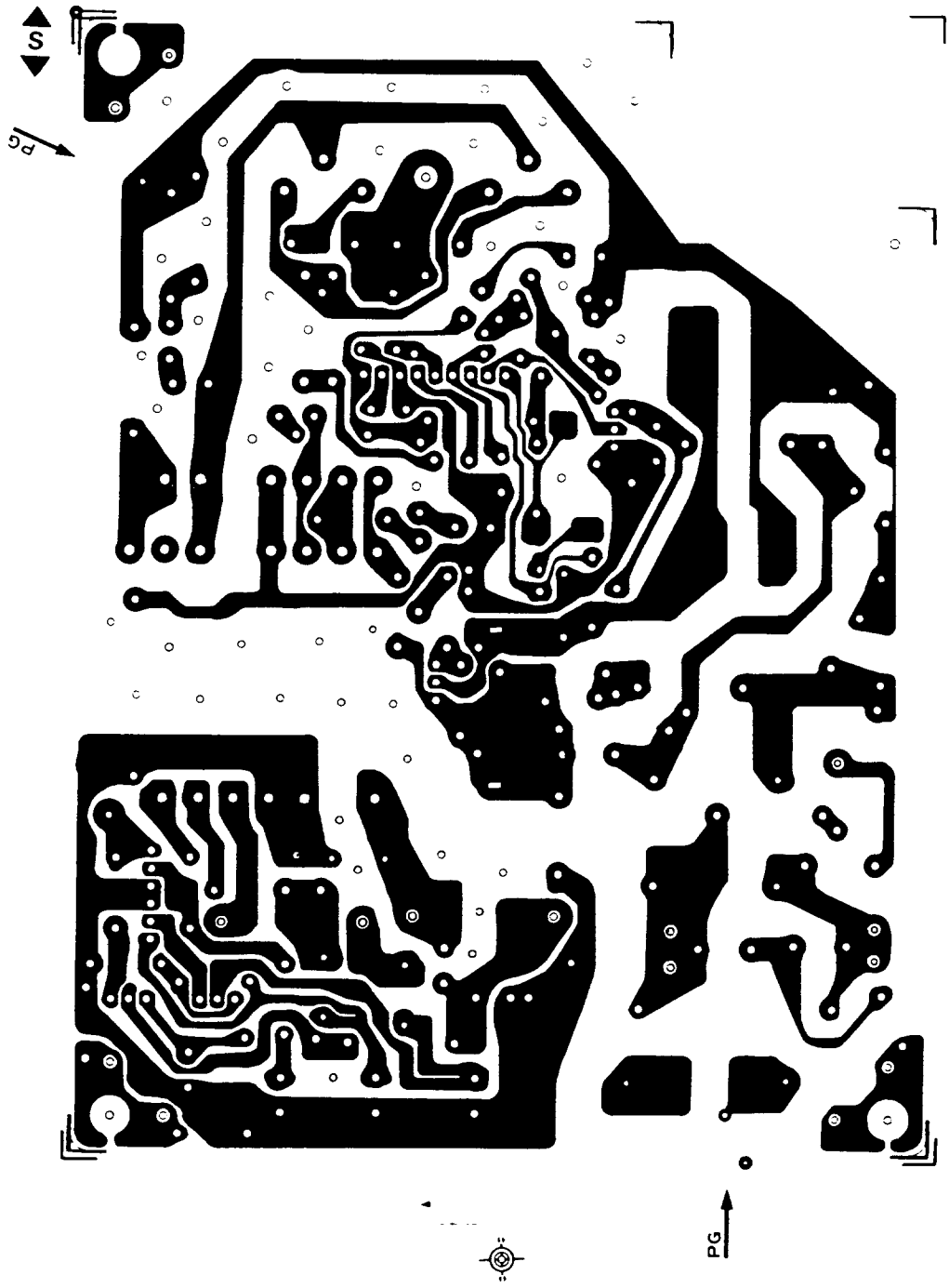
CK20377-B01-2

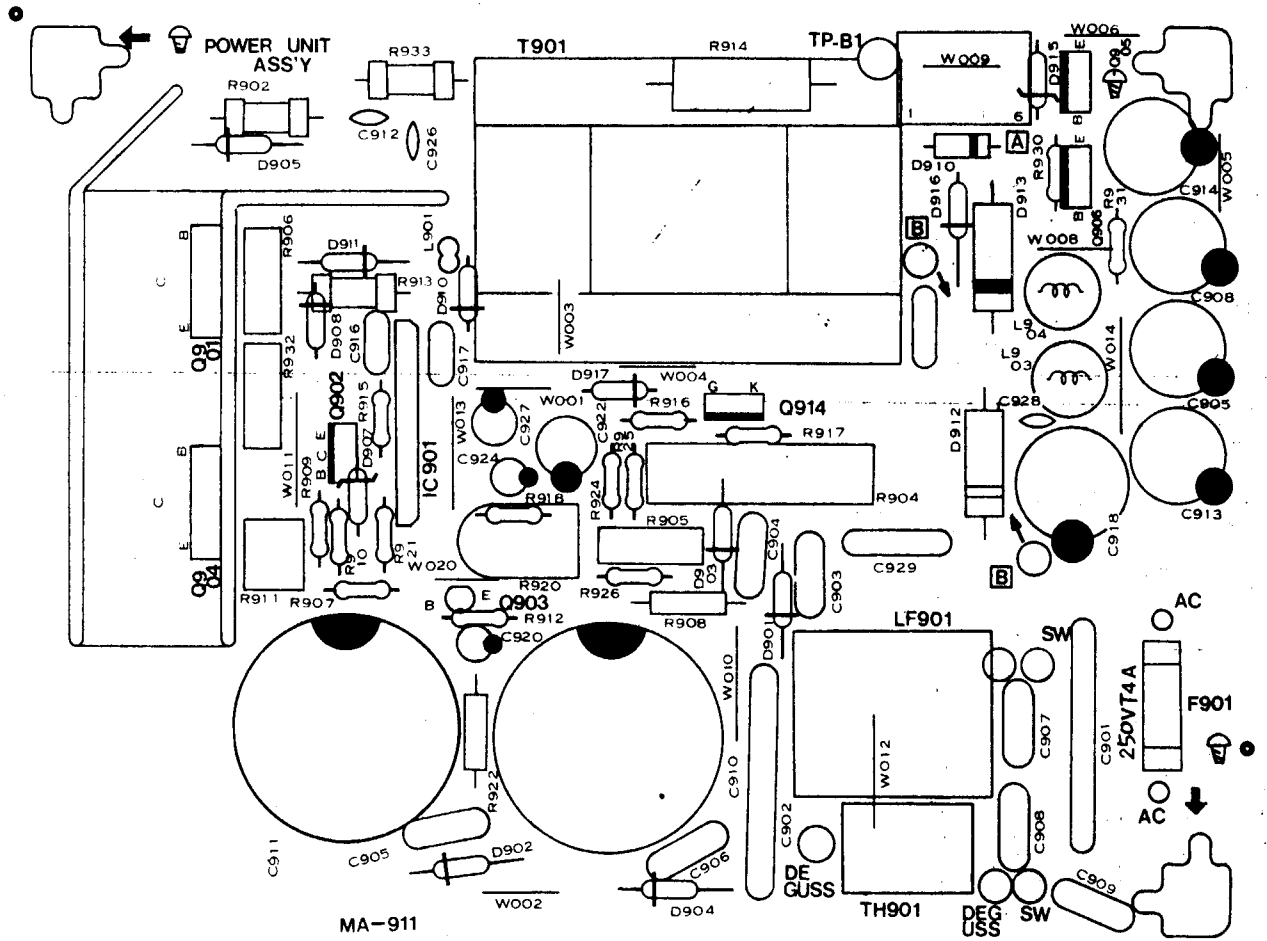


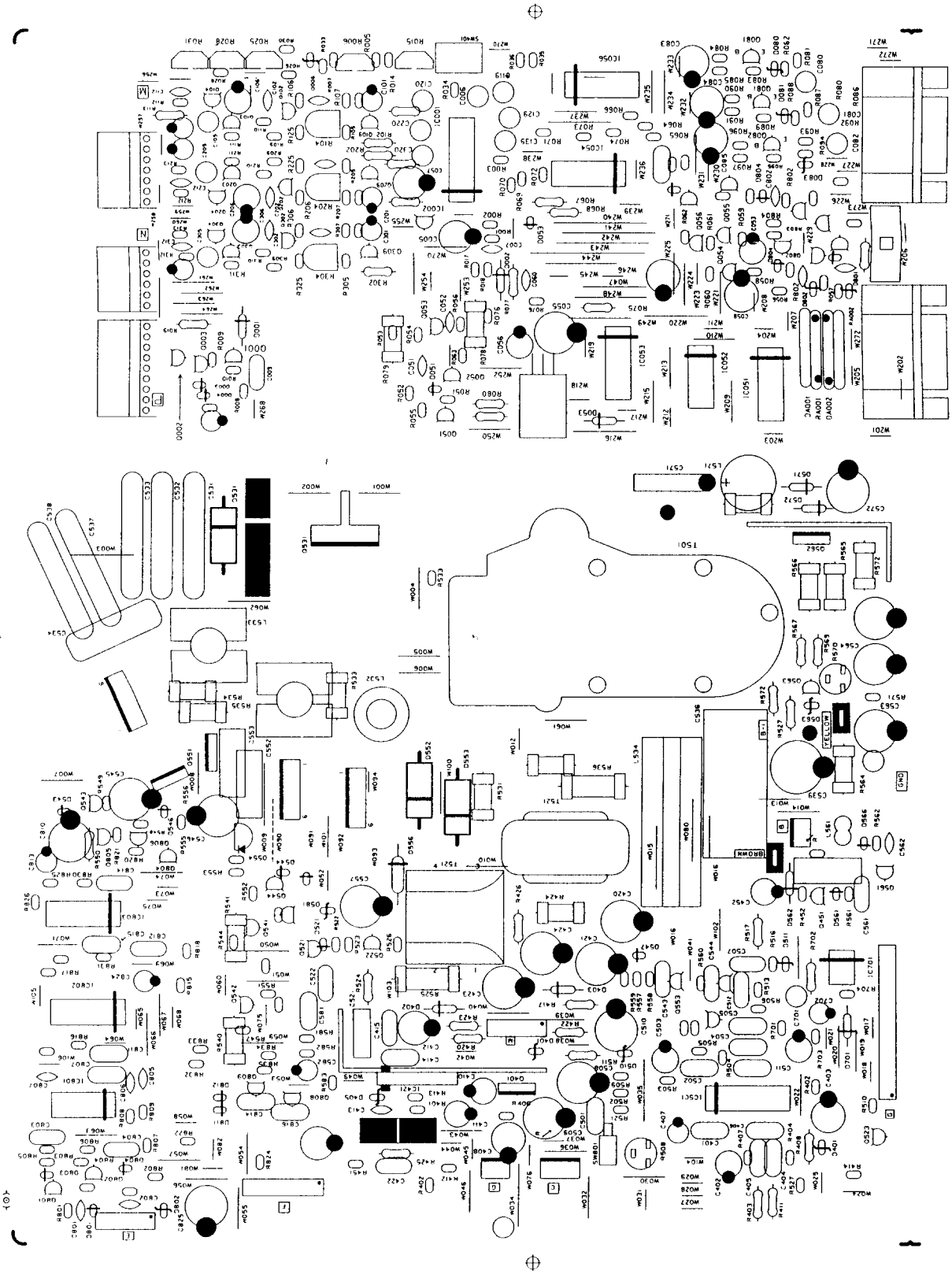


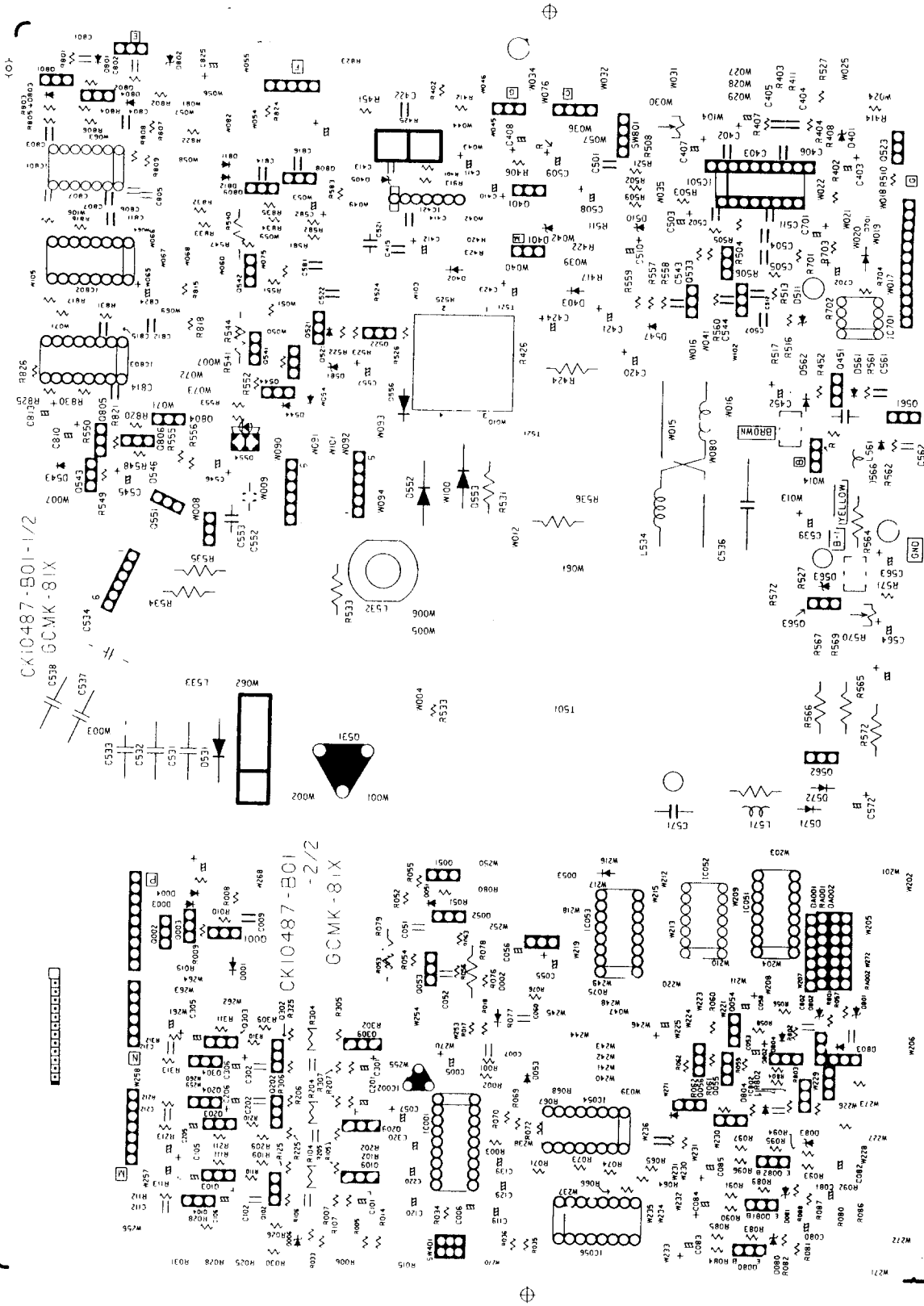
MXV-3000A
W001
W002
BLUE
ORANGE
WHITE
YELLOW
BROWN
BLACK
GREEN
RED
GRAY
Q307
Q207
Q107
Q205
Q108
Q105
Q308
Q305
Q208
Q201
R314
R315
R316
R317
R318
R319
R320
R321
R322
R323
R381
R581
R281
R220
R221
R219
R216
R215
R214
R116
R114
R121
R120
R119
R118
R117
R218
R217
R222
R223
R123
R122
R115
C081
C331
C308
C309
C307
C211
C581
C207
C208
C209
C108
C109
C107
L302
L301
L202
L201
L102
L101
D564
D563
D301
D201
D101
S028
S058
S018
TP-BH
TP-B
TP-G
TP-R


T901
TP
B1
W009
W006
W005
Q905
C914
Q908
R930
D916
D913
W008
L904
R931
C905
W004
L903
D912
C928
C913
R914
Q
K 914 G
R917
W004
D917
R916
W003
W001
C922
C927
W013
C924
R918
IC901
Q902
D907
R912
W011
R909
R910
R921
Q904
R911
R932
Q901
R906
D905
C912
C926
D911
C901
D910
R913
D908
C916
C917
R904
C904
R905
R925
R924
R926
R920
C929
C903
D903
R908
D901
W020
Q903
R912
R907
C920
AC
SW
LF901
250VT4A
F901
C901
C907
C908
AC
C909
SW
DEG
USS
W012
C902
010
C910
R922
C911
DEGUSS
C906
C905
D902
S5V
TH901
D904
W002
CK20343-A01

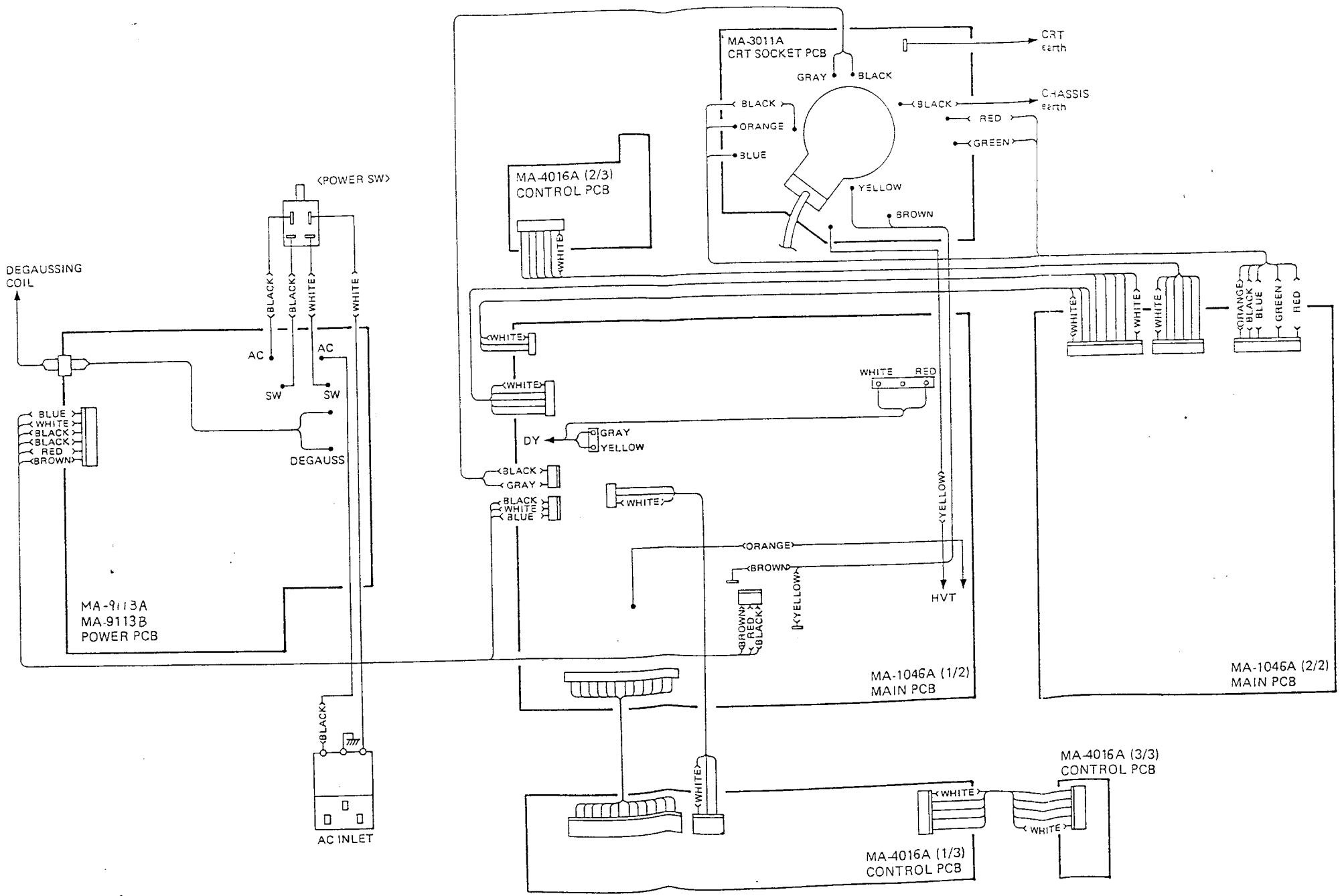

S
PG


POWER UNIT ASS'Y
R902
D905
R933
C912
C926
T901
R914
TP-B1
W009
W006
D915
D914
D910
D916
D913
R930
R931
C914
W005
W008
C908
L904
L903
W014
C905
C928
D912
C913
C918
W001
W004
D917
R916
Q914
R917
R904
C927
C922
C924
R918
R924
R905
C904
C929
R920
R926
R908
Q903
R912
C920
C903
LF901
SW
AC
F901
250VT4A
W010
C910
C907
C901
W012
C902
C908
C909
DE GUSS
TH901
DEG SW
W002
D904
C906
D902
C905
C911
R922
D901
D903
R909
R910
R921
W020
W011
Q902
R915
D907
IC901
W013
C927
D911
R913
L901
D910
D908
C916
C917
R906
R932
Q901
Q904
R907
R911
W003
B
C
E
MA-911

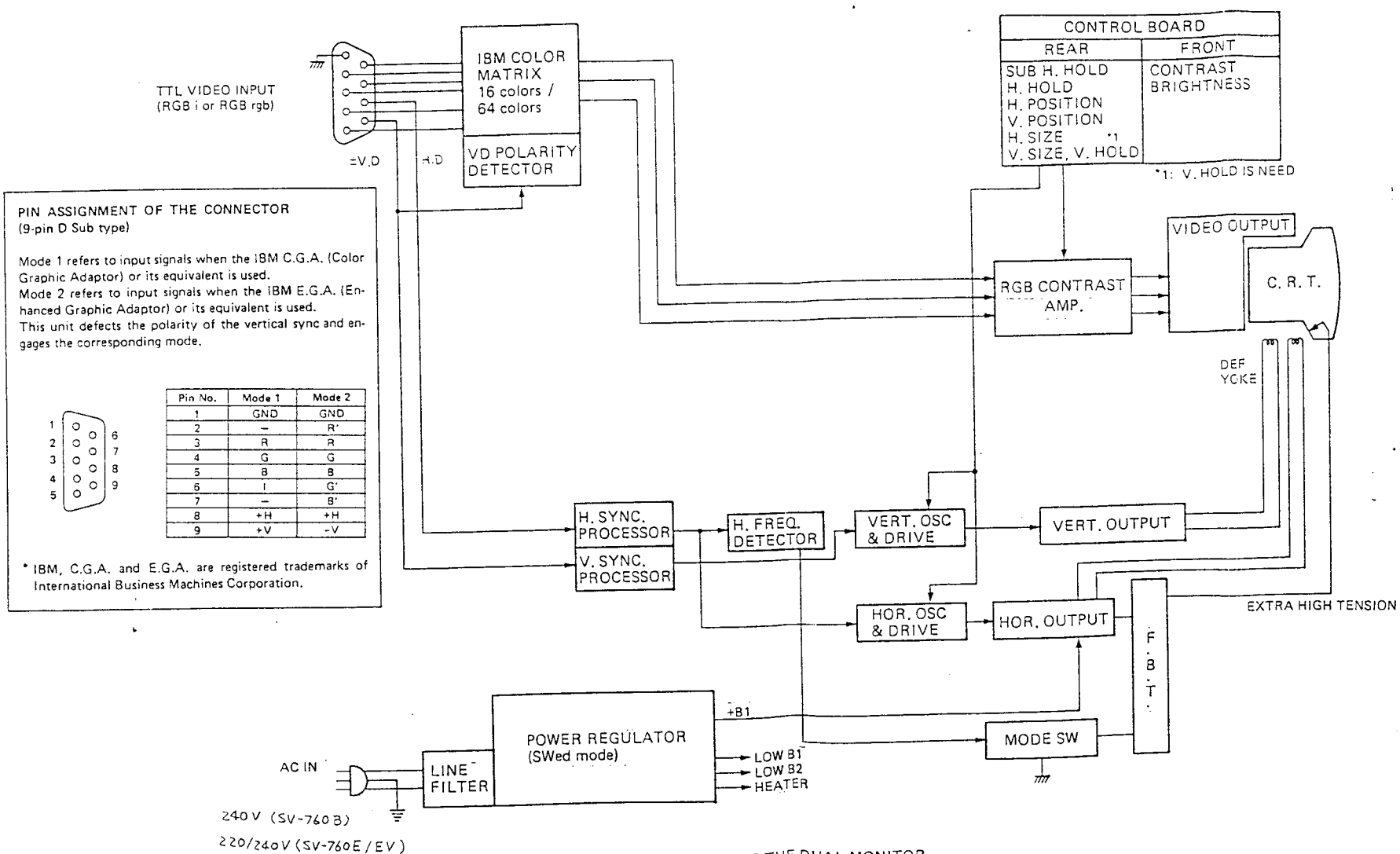



CK10487-B01-1/2
GCMK-81X
CK10487-B01-2/2
GCMK-81X
BROWN
YELLOW
GND

WIRING DIAGRAM



BLOCK DIAGRAM



PIN ASSIGNMENT OF THE CONNECTOR
(9-pin D Sub type)

Mode 1 refers to input signals when the IBM C.G.A. (Color Graphic Adaptor) or its equivalent is used.
Mode 2 refers to input signals when the IBM E.G.A. (Enhanced Graphic Adaptor) or its equivalent is used.
This unit defects the polarity of the vertical sync and engages the corresponding mode.

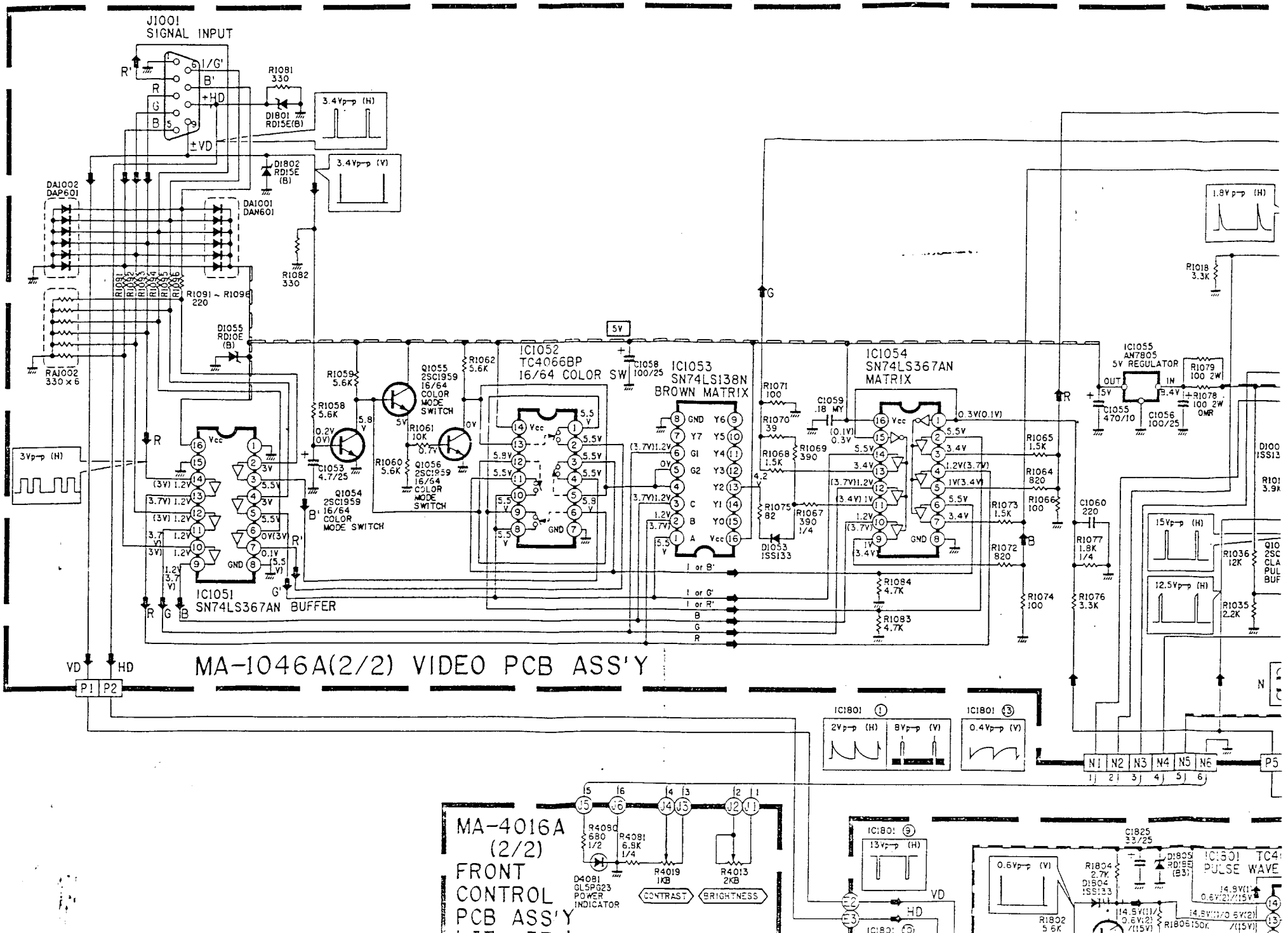
Pin No.	Mode 1	Mode 2
1	GND	GND
2	–	R'
3	R	R
4	G	G
5	B	B
6	I	G'
7	–	B'
8	+H	+H
9	+V	-V

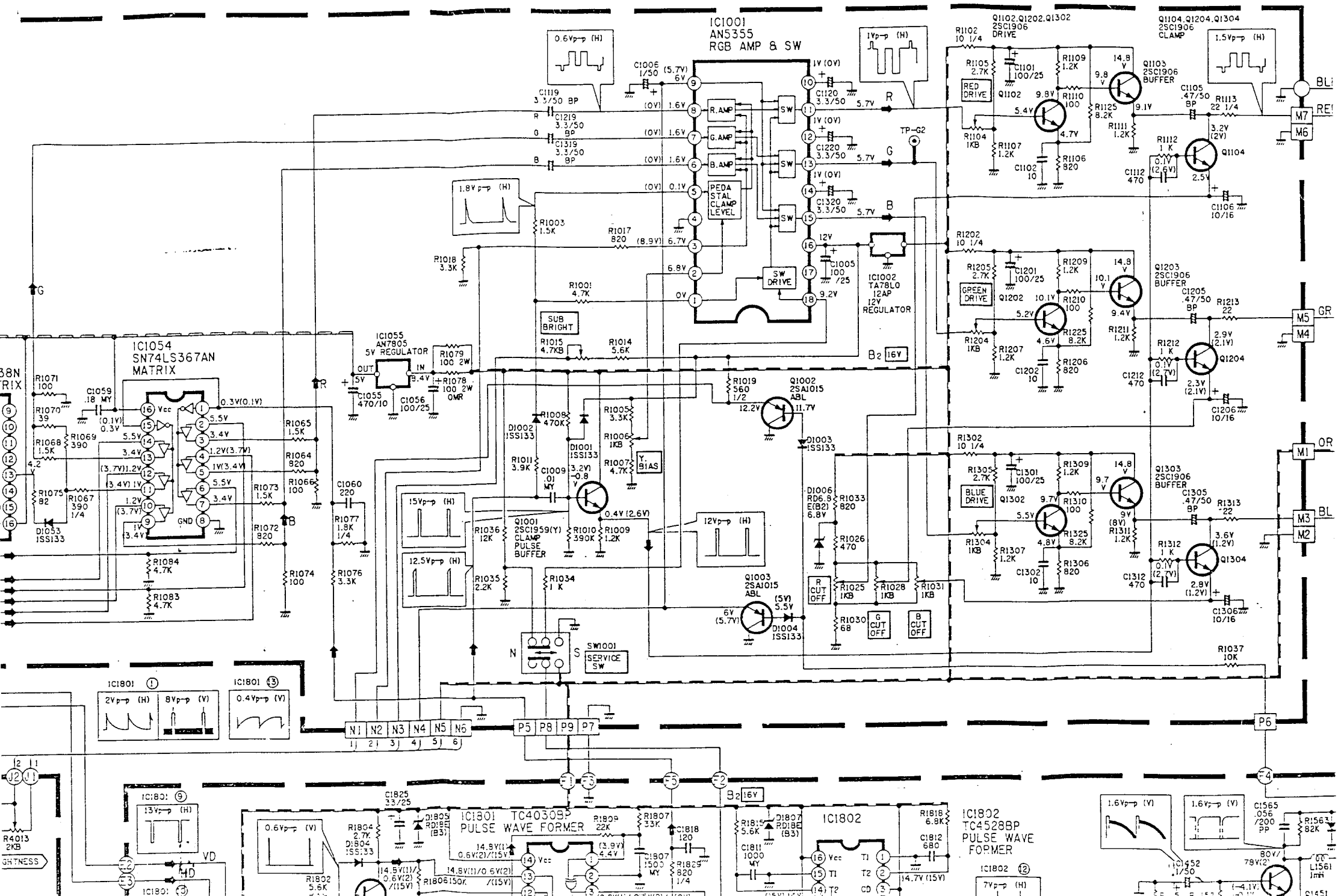
* IBM, C.G.A. and E.G.A. are registered trademarks of International Business Machines Corporation.

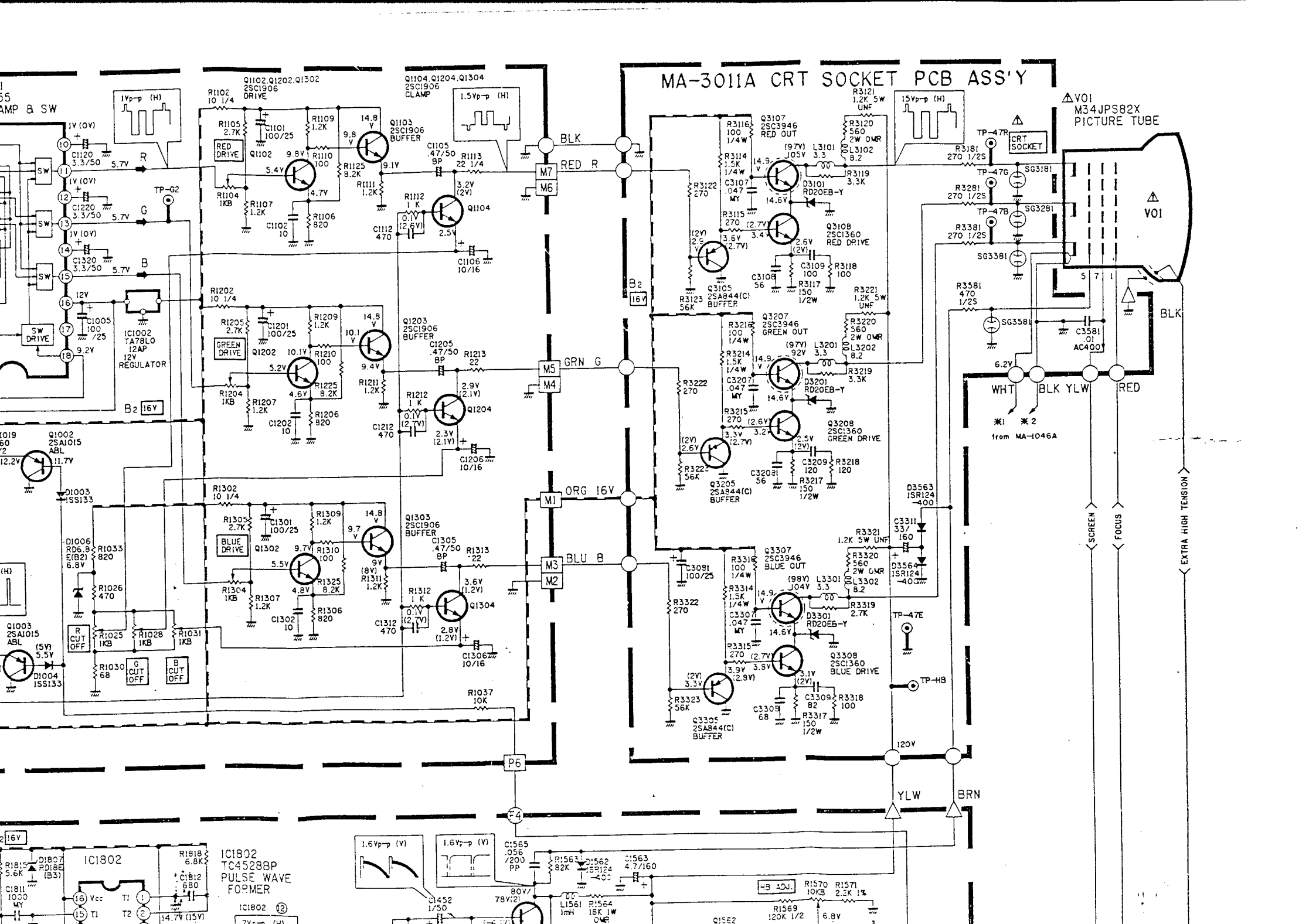
THE BLOCK DIAGRAM OF THE DUAL MONITOR

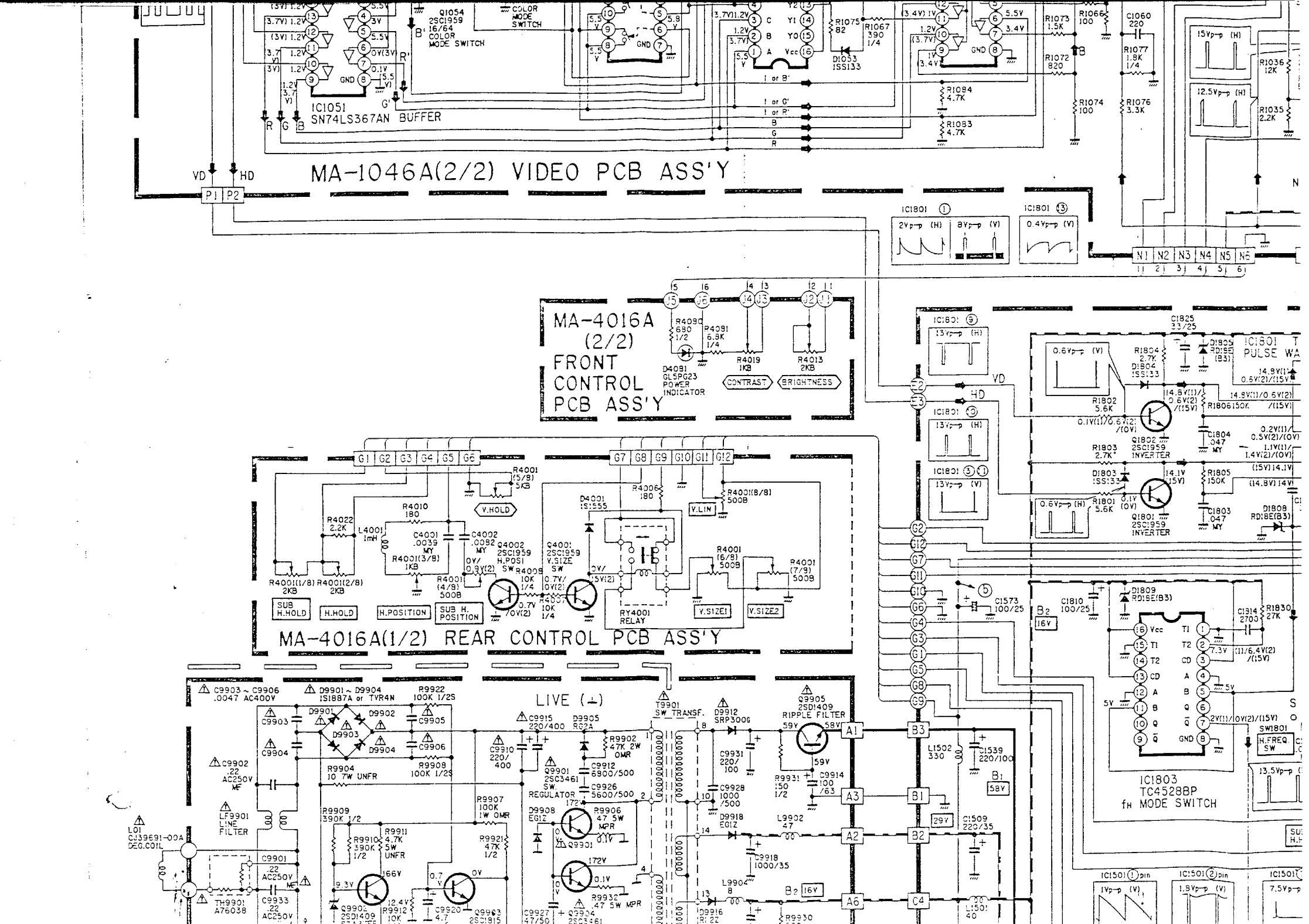
(APPLIED FOR IBM's CGA/EGA)

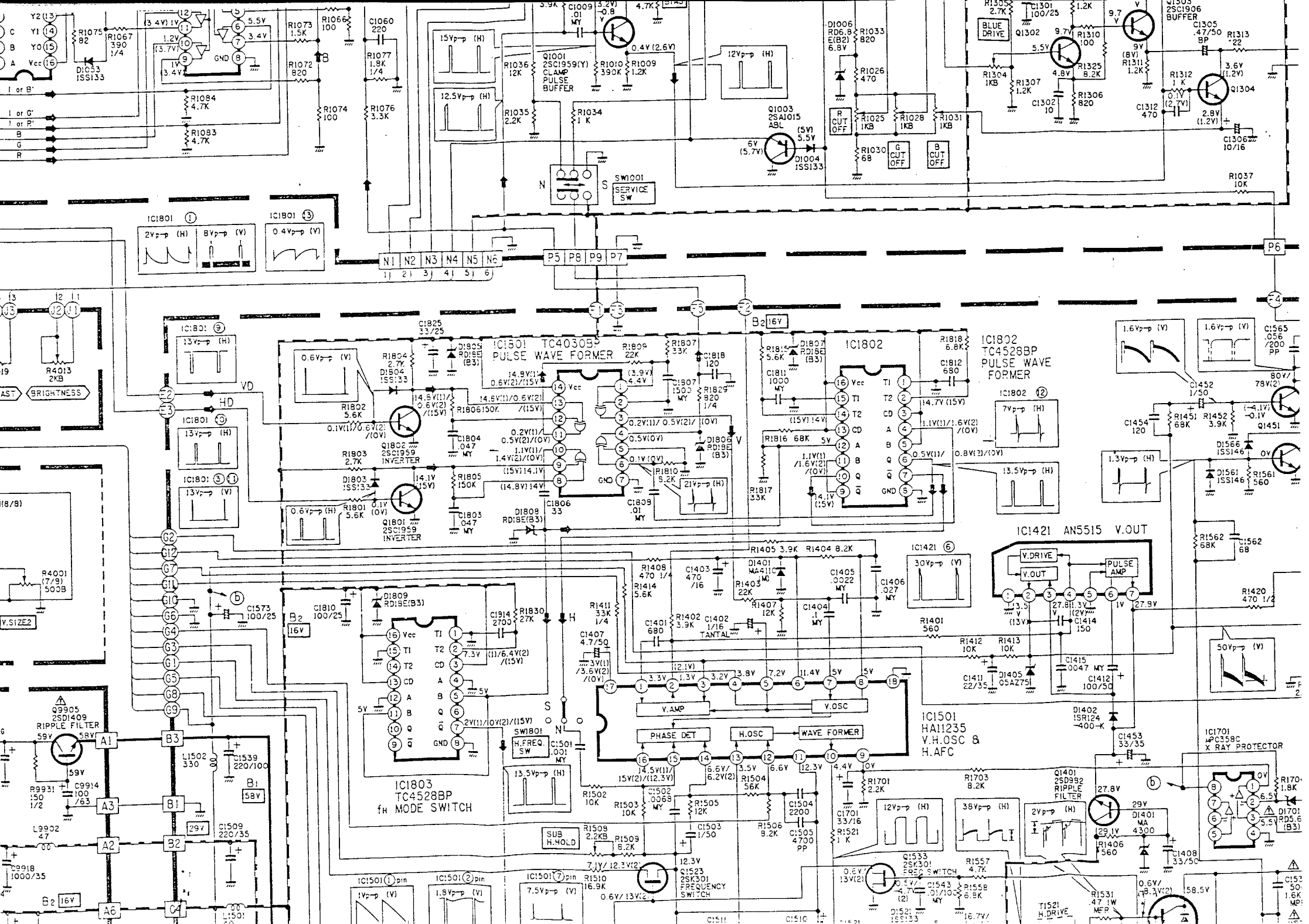
CGA mode	Fh = 15.75 kHz	Fv = 60 Hz	16 colors
EGA mode	1) Fh = 15.75 kHz	Fv = 60 Hz	16 colors
	2) Fh = 21.85 kHz	Fv = 60 Hz	64 colors

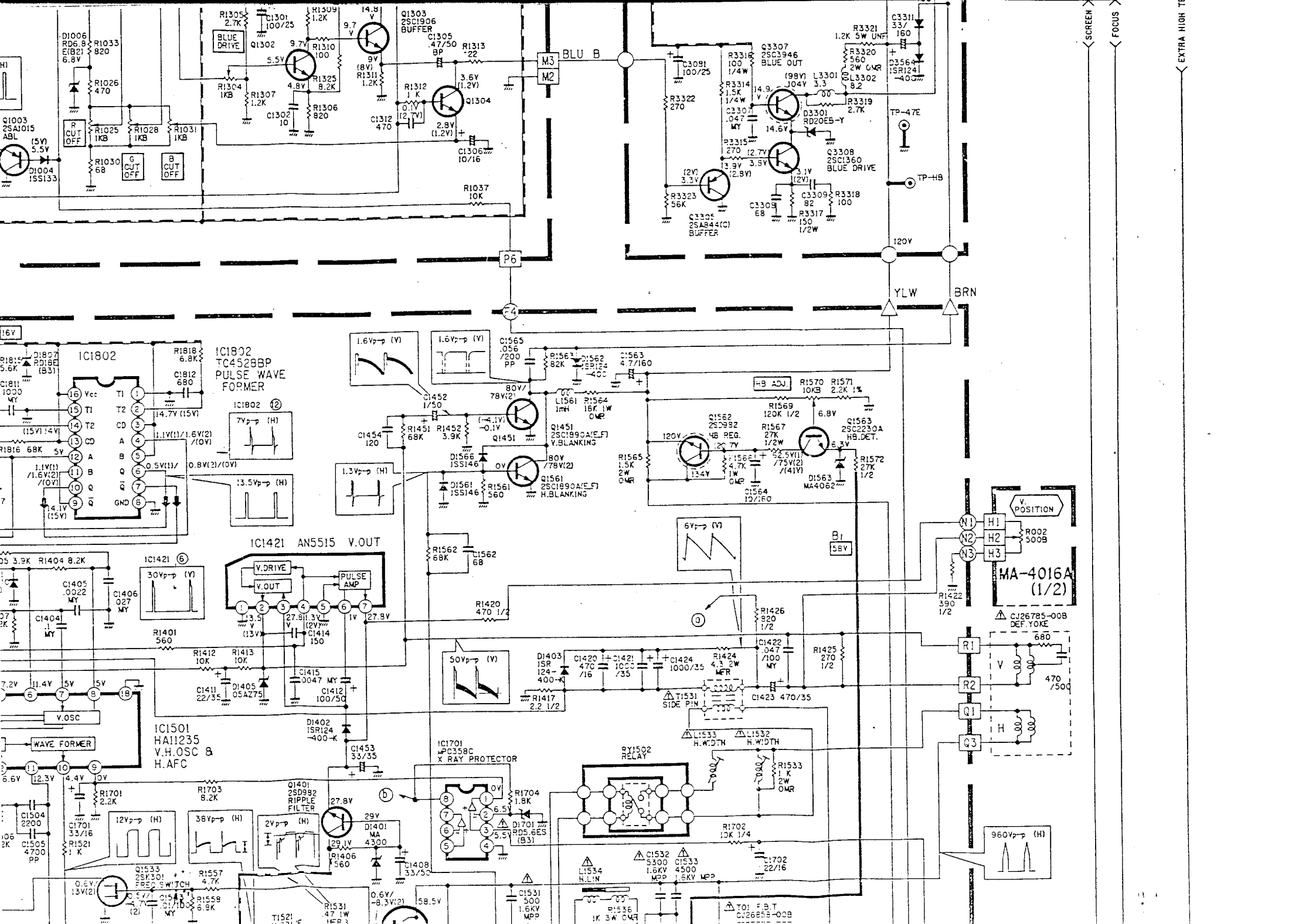

J1001
SIGNAL INPUT
R'
G'
B'
R
G
B
+HD
±VD
R1081
330
D1801
RD15E(B)
3.4Vp-p (H)
D1802
RD15E
(B)
3.4Vp-p (V)
DA1002
DAP601
DA1001
DAN601
R1082
330
R1091 ~ R1096
220
D1055
RD10E
(B)
RA1002
330 x 6
5V
G
R
B
R1059
5.6K
R1058
5.6K
R1060
5.6K
R1062
5.6K
R1061
10K
Q1055
2SC1959
16/64
COLOR
MODE
SWITCH
Q1056
2SC1959
16/64
COLOR
MODE
SWITCH
Q1054
2SC1959
16/64
COLOR
MODE
SWITCH
C1053
4.7/25
C1058
100/25
IC1052
TC4066BP
16/64 COLOR SW
IC1053
SN74LS138N
BROWN MATRIX
IC1054
SN74LS367AN
MATRIX
IC1055
AN7805
5V REGULATOR
OUT
IN
C1055
470/10
C1056
100/25
R1079
100 2W
R1078
100 2W
0MR
R1018
3.3K
1.8Vp-p (H)
3Vp-p (H)
R1071
100
C1059
.18 MY
R1070
39
R1069
390
R1068
1.5K
R1075
82
R1067
390
1/4
D1053
1SS133
R1065
1.5K
R1064
820
R1066
100
R1073
1.5K
R1072
820
R1074
100
C1060
220
R1077
1.8K
1/4
R1076
3.3K
15Vp-p (H)
12.5Vp-p (H)
R1036
12K
R1035
2.2K
IC1051
SN74LS367AN BUFFER
R1084
4.7K
R1083
4.7K
I or B'
I or G'
I or R'
B
G
R
MA-1046A(2/2) VIDEO PCB ASS'Y
VD
HD
P1
P2
IC1801 ①
2Vp-p (H)
8Vp-p (V)
IC1801 ③
0.4Vp-p (V)
N1
N2
N3
N4
N5
N6
P5
MA-4016A
(2/2)
FRONT
CONTROL
PCB ASS'Y
J5
J6
J4
J3
J2
J1
R4080
680
1/2
R4081
6.8K
1/4
R4019
1KB
R4013
2KB
D4081
GL5PG23
POWER
INDICATOR
CONTRAST
BRIGHTNESS
IC1801 ⑨
13Vp-p (H)
VD
HD
C1825
33/25
0.6Vp-p (V)
R1804
2.7K
D1804
1SS133
D1805
RD15E
(B3)
IC1801 TC4
PULSE WAVE
R1802
5.6K

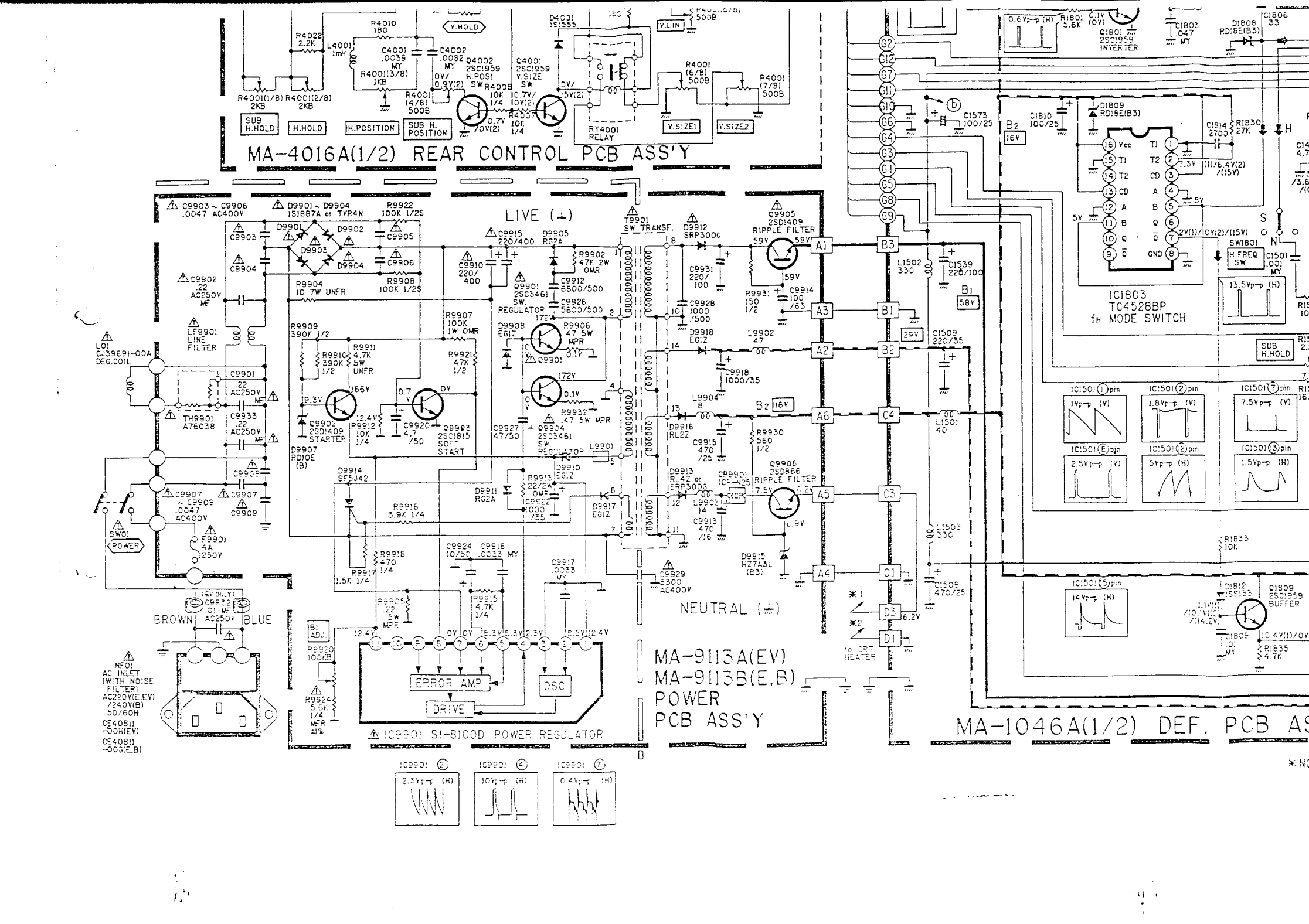

IC1001
AN5355
RGB AMP & SW
R.AMP
G.AMP
B.AMP
PEDA STAL CLAMP LEVEL
SW
SW DRIVE
SUB BRIGHT
IC1002
TA78L0 12AP
12V REGULATOR
IC1054
SN74LS367AN
MATRIX
IC1055
AN7805
5V REGULATOR
Q1002 2SA1015 ABL
Q1003 2SA1015 ABL
Q1001 2SC1959(Y) CLAMP PULSE BUFFER
Q1102,Q1202,Q1302 2SC1906 DRIVE
Q1104,Q1204,Q1304 2SC1906 CLAMP
Q1103 2SC1906 BUFFER
Q1203 2SC1906 BUFFER
Q1303 2SC1906 BUFFER
RED DRIVE
GREEN DRIVE
BLUE DRIVE
Y. BIAS
R CUT OFF
G CUT OFF
B CUT OFF
SW1001
SERVICE SW
IC1801 TC4030BP
PULSE WAVE FORMER
IC1802
IC1802 TC4528BP
PULSE WAVE FORMER
TP-G2
B2 16V
N1 N2 N3 N4 N5 N6
P5 P8 P9 P7
P6
M7 M6 M5 M4 M3 M2 M1
BL RE GR OR BL
R4013 2KB
GHTNESS
VD
HD

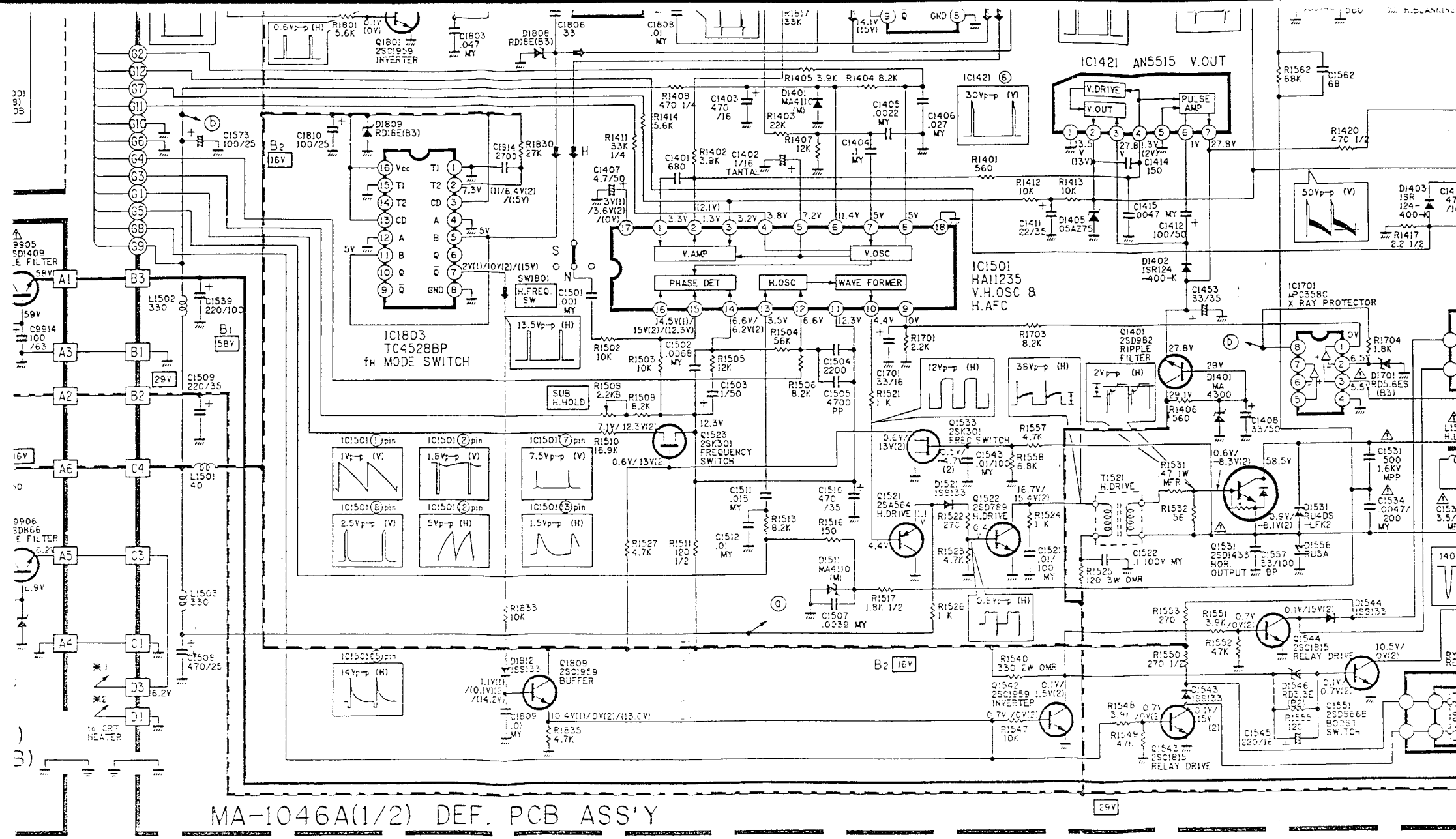

MA-3011A CRT SOCKET PCB ASS'Y
AMP & SW
Q1102,Q1202,Q1302 2SC1906 DRIVE
Q1104,Q1204,Q1304 2SC1906 CLAMP
Q1103 2SC1906 BUFFER
Q1203 2SC1906 BUFFER
Q1303 2SC1906 BUFFER
RED DRIVE
GREEN DRIVE
BLUE DRIVE
BLK
RED R
GRN G
ORG 16V
BLU B
M7
M6
M5
M4
M1
M3
M2
P6
F4
IC1002 TA78L0 I2AP 12V REGULATOR
SW DRIVE
R CUT OFF
G CUT OFF
B CUT OFF
Q3107 2SC3946 RED OUT
Q3207 2SC3946 GREEN OUT
Q3307 2SC3946 BLUE OUT
Q3105 2SA844(C) BUFFER
Q3205 2SA844(C) BUFFER
Q3305 2SA844(C) BUFFER
Q3108 2SC1360 RED DRIVE
Q3208 2SC1360 GREEN DRIVE
Q3308 2SC1360 BLUE DRIVE
D3101 RD20EB-Y
D3201 RD20EB-Y
D3301 RD20EB-Y
CRT SOCKET
M34JPS82X PICTURE TUBE
V01
WHT
BLK YLW
RED
BLK
SCREEN
FOCUS
EXTRA HIGH TENSION
from MA-1046A
120V
YLW
BRN
IC1802 TC4528BP PULSE WAVE FORMER
HB ADJ.


MA-1046A(2/2) VIDEO PCB ASS'Y
IC1051
SN74LS367AN BUFFER
Q1054
2SC1959
16/64
COLOR
MODE SWITCH
COLOR
MODE
SWITCH
D1053
1SS133
R1075
82
R1067
390
1/4
R1084
4.7K
R1083
4.7K
R1073
1.5K
R1072
820
R1066
100
R1074
100
C1060
220
R1077
1.8K
1/4
R1076
3.3K
R1036
12K
R1035
2.2K
15Vp-p (H)
12.5Vp-p (H)
VD
HD
P1
P2
IC1801 ①
2Vp-p (H)
8Vp-p (V)
IC1801 ③
0.4Vp-p (V)
N1
N2
N3
N4
N5
N6
MA-4016A
(2/2)
FRONT
CONTROL
PCB ASS'Y
J5
J6
J4
J3
J2
J1
R4090
680
1/2
R4081
6.8K
1/4
R4019
1KB
R4013
2KB
D4081
GL5PG23
POWER
INDICATOR
CONTRAST
BRIGHTNESS
G1
G2
G3
G4
G5
G6
G7
G8
G9
G10
G11
G12
R4001
(5/8)
5KB
V.HOLD
R4010
180
R4022
2.2K
L4001
1mH
C4001
.0039
MY
C4002
.0082
MY
Q4002
2SC1959
H.POSI
SW
R4001(3/8)
1KB
R4001(1/8)
2KB
R4001(2/8)
2KB
R4001
(4/9)
500B
R4006
180
D4001
1S1555
R4001(8/8)
500B
V.LIN
Q4001
2SC1959
V.SIZE
SW
R4001
(6/8)
500B
R4001
(7/9)
500B
RY4001
RELAY
V.SIZE1
V.SIZE2
SUB
H.HOLD
H.HOLD
H.POSITION
SUB H.
POSITION
MA-4016A(1/2) REAR CONTROL PCB ASS'Y
LIVE (⊥)
C9903 ~ C9906
.0047 AC400V
D9901 ~ D9904
IS1887A or TVR4N
R9922
100K 1/2S
C9902
.22
AC250V
MF
LF9901
LINE
FILTER
L01
CJ39691-00A
DEG.COIL
TH9901
A76038
C9901
.22
AC250V
MF
C9933
.22
AC250V
MF
R9904
10 7W UNFR
R9908
100K 1/2S
R9909
390K 1/2
R9910
390K
1/2
R9911
4.7K
5W
UNFR
R9907
100K
1W OMR
R9921
47K
1/2
C9910
220/
400
C9915
220/400
D9905
RG2A
R9902
47K 2W
OMR
C9912
6800/500
C9926
5600/500
Q9901
2SC3461
SW.
REGULATOR
R9906
47 5W
MPR
R9932
.47 5W MPR
T9901
SW. TRANSF.
D9912
SRP3006
Q9905
2SD1409
RIPPLE FILTER
R9931
150
1/2
C9914
100
/63
C9931
220/
100
C9928
1000
/500
D9918
EG1Z
L9902
47
C9918
1000/35
L9904
8
D9916
L1502
330
C1539
220/100
C1509
220/35
L1501
40
C1573
100/25
C1810
100/25
D1809
RD15E(B3)
C1314
2700
R1830
27K
IC1803
TC4528BP
fH MODE SWITCH
SW1801
H.FREQ
SW
IC1501 ① pin
IC1501 ② pin
IC1501
1Vp-p (V)
1.8Vp-p (V)
7.5Vp-p
IC1801
PULSE WA
R1804
2.7K
D1804
1SS133
R1802
5.6K
Q1802
2SC1959
INVERTER
R1803
2.7K
D1803
1SS133
R1801
5.6K
Q1801
2SC1959
INVERTER
R1806
150K
R1805
150K
C1804
.047
MY
C1803
.047
MY
D1808
RD18E(B3)
C1825
33/25
0.6Vp-p (V)
0.6Vp-p (H)
13Vp-p (H)
13Vp-p (V)
B1
B2
B3
A1
A2
A3
A6
C4
58V
29V
16V
5V
7.3V


IC1801 TC4030BP PULSE WAVE FORMER
IC1802 TC4528BP PULSE WAVE FORMER
IC1803 TC4528BP fH MODE SWITCH
IC1421 AN5515 V.OUT
IC1501 HA11235 V.H.OSC & H.AFC
Q1001 2SC1959(Y) CLAMP PULSE BUFFER
Q1003 2SA1015 ASL
Q1302 BLUE DRIVE
Q1303 2SC1906 BUFFER
Q1304
Q1451
Q1501 2SK301 FREQUENCY SWITCH
Q1523 2SK301 FREQUENCY SWITCH
Q1533 2SK301 FREQ SWITCH
Q9905 2SD1409 RIPPLE FILTER
Q1401 2SD982 RIPPLE FILTER
SW1001 SERVICE SW
SW1801 H.FREQ. SW
BRIGHTNESS
V.SIZE2
SUB H.HOLD
R CUT OFF
G CUT OFF
B CUT OFF
VD
HD
V.AMP
V.OSC
PHASE DET
H.OSC
WAVE FORMER
V.DRIVE
V.OUT
PULSE AMP
T1521 H.DRIVE
IC1701 μPC358C X RAY PROTECTOR

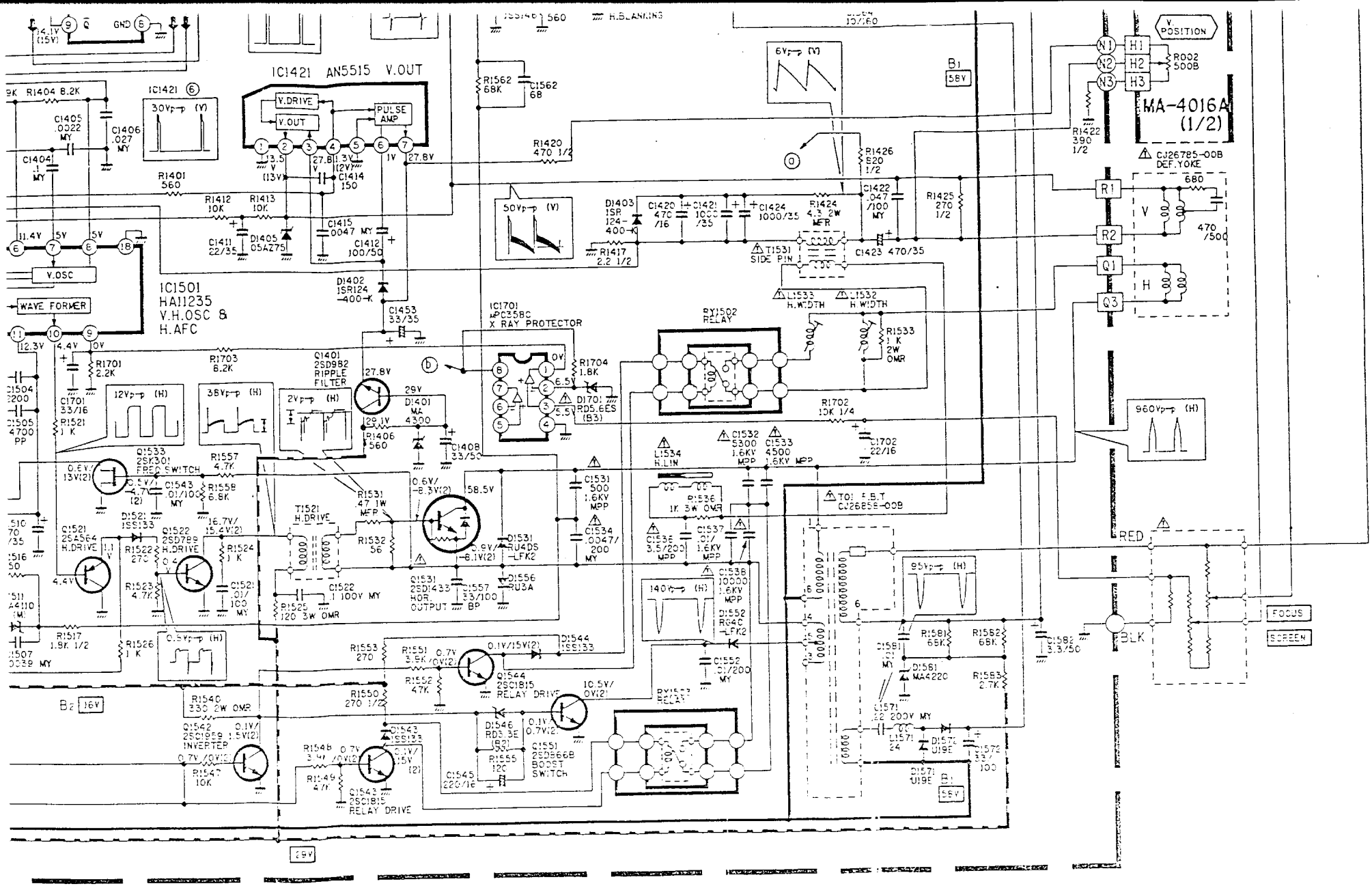

IC1802
TC4528BP
PULSE WAVE FORMER
IC1421 AN5515 V.OUT
IC1501
HA11235
V.H.OSC & H.AFC
IC1701
μPC358C
X RAY PROTECTOR
MA-4016A (1/2)
BLU B
BRN
YLW
120V
SCREEN
FOCUS
EXTRA HIGH TENSION
V. POSITION
H. ADJ.
BLUE DRIVE
R CUT OFF
G CUT OFF
B CUT OFF
V.OSC
WAVE FORMER
V.DRIVE
V.OUT
PULSE AMP
RELAY
SIDE PIN
H.WIDTH
H.LIN
V
H


MA-4016A(1/2) REAR CONTROL PCB ASS'Y
SUB H.HOLD
H.HOLD
H.POSITION
SUB H. POSITION
V.HOLD
V.LIN
V.SIZE1
V.SIZE2
RY4001 RELAY
LIVE (⊥)
NEUTRAL (⊥)
SW TRANSF.
RIPPLE FILTER
SW REGULATOR
STARTER
SOFT START
ERROR AMP
DRIVE
OSC
SW POWER
LINE FILTER
AC INLET (WITH NOISE FILTER)
BROWN
BLUE
IC1803 TC4528BP fH MODE SWITCH
MA-9113A(EV)
MA-9113B(E,B)
POWER
PCB ASS'Y
MA-1046A(1/2) DEF. PCB AS



*NOTICE : Voltage in Schematic Diagram

(1) : f_H = 15.75KHz (2) : f_H = 21.85KHz ( ) = No Signal Input



rom

: f_H = 21.85KHz ( ) = No Signal Input

REVISED 1986 Aug.28		
TITLE	MODEL NAME	
SCHEMATIC DIAGRAM	SV-760E/B/EV	
APPROVED	DRAWN	SHEET
	CS1025	

TAXAN Document Control

Document Title : Supervision 760 Service Manual	
Issue Number: 002 Revision 1	
Issued By:	Date of Issue: 20/9/88

Revisions:

1). Document control added 20/9/88
2). General guide to monitor adjustment added 20/9/88
3). Safety notices added 20/9/88
4). New cover style 20/9/88

TAXAN

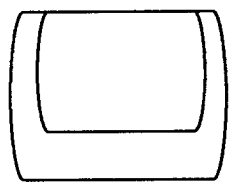
A General Guide to monitor display adjustment

The diagrams below show how to correct certain display problems using commonly available external monitor controls. Not all monitors have the full range of controls mentioned available externally, although they are all usually present in some form (often as factory pre-set controls on the internal circuit boards).

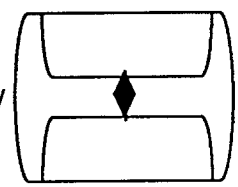
CAUTION - NEVER ADJUST A MONITORS CONTROLS WITH A METAL TOOL. ALWAYS USE A PLASTIC ADJUSTMENT TOOL.

Taxan monitors are usually provided with such a tool where external adjustments are likely to be required.

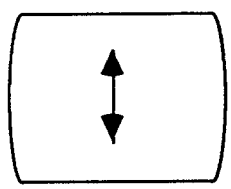
Vertical Position- adjust if image is not vertically centred on the screen



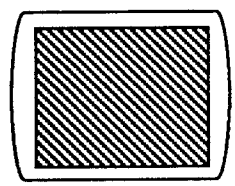
Vertical Hold - adjust if the image rolls vertically



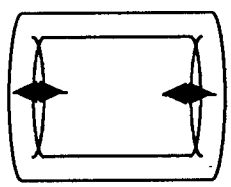
Vertical Size - adjust if the image does not fill the screen in the vertical direction.



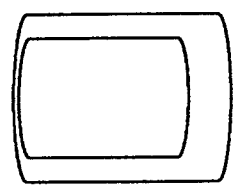
Horizontal Hold - adjust if the image is composed of moving diagonal lines.



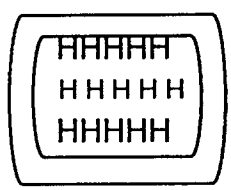
Side Pincushion - Adjust to straighten the sides of the image if they are curved inwards or outwards.



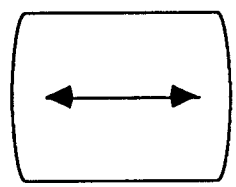
Horizontal Position - adjust to centre the image horizontally on the screen



Vertical Linearity - adjust if areas of the are wrongly proportioned.



Horizontal Size - adjust if the image does not fill the screen in the horizontal direction.



TAXAN Safety Notices

Please Note:

The following information is provided in the interests of safety.

1). This equipment is mains powered (230 Volts AC) and is therefore potentially hazardous once the cover is removed.

2). Only trained engineering staff should attempt any work on the unit with the cover removed.

3). While servicing the unit , protect the mains supply to the equipment under test and all electrically powered test equipment with a suitably rated Residual Current Circuit Breaker (rccb) unit. These devices are readily available and are designed to remove the mains supply quickly in the event of a serious leakage of current to earth.

4). Ensure all test equipment, and the unit under test is adequately earthed .

5). Always discharge the CRT before attempting any work on the high voltage power circuits.

6). We advise the use of Electrostatic Damage Prevention equipment when servicing electronic equipment containing static sensitive devices.